

SHELBY FARMS GREENLINE - EAST EXTENSION

FARM ROAD TO OLD CORDOVA TRAIN STATION AT 'B' STREET

MAYOR MARK LUTTRELL
SHELBY COUNTY GOVERNMENT

APRIL 2, 2015

TDOT PIN NO. 116836.00
STATE NEPA NO. 79LPLM-F0-244
STATE PE NO. 79LPLM-F1-245
STATE ROW NO. 79LPLM-F2-246
STATE CONSTRUCTION NO. 79LPLM-F3-247
FEDERAL CONSTRUCTION NO. CM-9409(162)

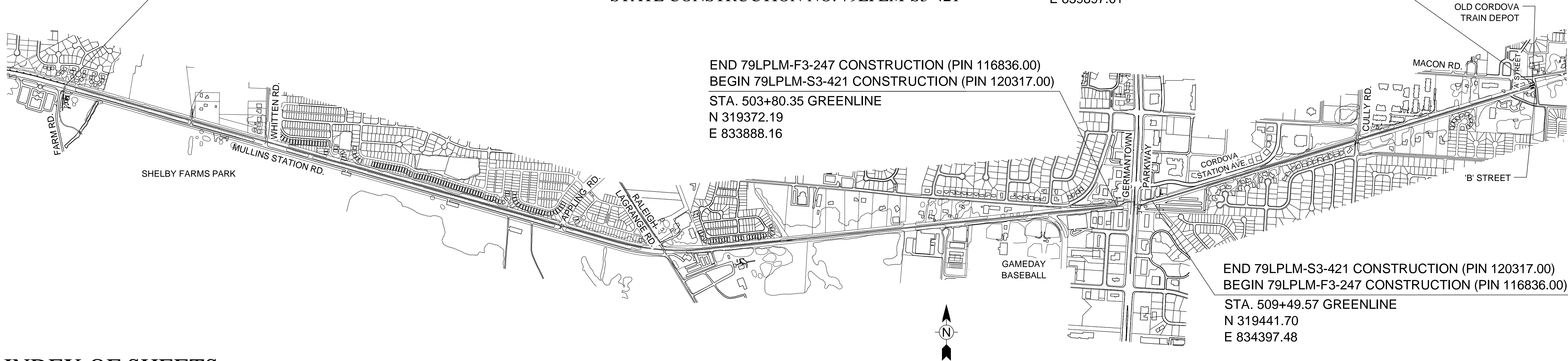
TDOT PIN NO. 120317.00
STATE CONSTRUCTION NO. 79LPLM-S3-421

END PROJECT NO. CM-9409(162);
79LPLM-F3-247 CONSTRUCTION (PIN 116836.00)
STA. 566+97.18 GREENLINE
N 321100.42
E 839897.01

END 79LPLM-F3-247 CONSTRUCTION (PIN 116836.00)
BEGIN 79LPLM-S3-421 CONSTRUCTION (PIN 120317.00)
STA. 503+80.35 GREENLINE
N 319372.19
E 833888.16

END 79LPLM-S3-421 CONSTRUCTION (PIN 120317.00)
BEGIN 79LPLM-F3-247 CONSTRUCTION (PIN 116836.00)
STA. 509+49.57 GREENLINE
N 319441.70
E 834397.48

BEGIN PROJECT NO. CM-9409(162);
79LPLM-F3-247 CONSTRUCTION (PIN 116836.00)
STA. 349+28.72 GREENLINE
N 321116.49
E 818796.16



PROJECT LOCATION MAP

NOT TO SCALE

PROJECT LENGTH:

PIN 116836.00	4.015 MILES
PIN 120317.00	0.108 MILES
TOTAL	4.123 MILES

NO EXCLUSIONS

NO EQUATIONS

CONSTRUCTION PLANS

REVISED 4/02/2015

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S100 GENERAL NOTES
S101 BRIDGE RESTORATION PLAN
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APPENDIX - SHELBY FARMS PARK CONSERVANCY
GREENLINE GATEWAY SIGN STANDARD DETAILS

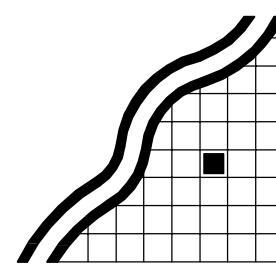
X101 (G-1) SIGNAGE FONTS
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SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

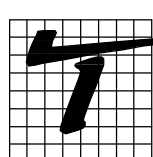


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PROJECT PHASE

FINAL DESIGN

DATE OF ISSUE

APRIL 2, 2015

REVISIONS

SEAL



APPROVED:

COUNTY ENGINEER

DATE:

DRAWN BY TT/RSA

CHECKED BY TT/RSA

SHEET NO.

G001

SHEET TITLE

COVER & INDEX

PROJECT 1: TDOT PIN NO. 116836.00 / STATE CONSTRUCTION NO. 79LPLM-F3-247
PROJECT 2: TDOT PIN NO. 120317.00 / STATE CONSTRUCTION NO. 79LPLM-S3-421

1. TO BE USED AS DIRECTED BY THE ENGINEER, OR BY COUNTY ENGINEER (OR HIS AUTHORIZED REPRESENTATIVE).
2. SEE SUBSECTION 209.07 OF THE TDOT STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
3. CUTTING AND REMOVAL OF EXISTING PILES ABOVE-GROUND AND SPLICING TO EXISTING PILES SHALL BE INCIDENTAL TO PAY ITEM 601-10.13.
4. REMOVAL OF EXISTING MATERIALS AND CONNECTIONS OF NEW TIMBER MATERIALS TO EXISTING BRIDGE STRUCTURE SHALL BE INCIDENTAL TO PAY ITEMS 601-10.14, 601-10.15, 601-10.16 AND 601-10.17 AS APPROPRIATE.
5. REMOVAL AND RE-INSTALLATION OF EXISTING STONE BALLAST MATERIAL ON BRIDGE DECK SHALL BE INCIDENTAL TO PAY ITEM 601-10.16.
6. CONNECTION OF GUARDRAIL TO CONCRETE TRAFFIC BARRIER (PER TDOT STD. DWG. S-SSMB-6) SHALL BE INCIDENTAL TO PAY ITEM 705-02.02.
7. INCLUDES ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED FOR TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION.
8. INCLUDES DETECTABLE WARNING PAVERS ON 1" SETTING BAND PER DETAIL 8/SD501. MEASUREMENT AND PAYMENT FOR 6" THICK CONCRETE BASE AND SURROUNDING CONC. APRON SHALL BE INCLUDED WITH PAY ITEM 701-01.02.
9. PAY ITEM 730-05.01 SHALL BE A FIVE THOUSAND DOLLAR (\$5,000.00) ALLOWANCE TO BE USED AS DIRECTED BY COUNTY ENGINEER (OR HIS AUTHORIZED REPRESENTATIVE).
10. THE EVP (EMERGENCY VEHICLE PRE-EMPTION) DETECTOR SHALL BE 3M OPTICOM SYSTEM OR APPROVED EQUIVALENT IN ACCORDANCE WITH CITY OF MEMPHIS STANDARD SPECIFICATIONS. INCLUDES OPTICAL DETECTORS, CONFIRMATION LAMPS (PAR 90), POLE-MOUNTED BEACONS, FOUR-CHANNEL PHASE SELECTORS, CARD RACK (OPTICOM 760) AND ALL OTHER CABLING, CONNECTIONS, AND HARDWARE TO COMPLETE THE INSTALLATION OF A FULLY-FUNCTIONAL PRE-EMPTION SYSTEM, INCLUDING FINE-TUNING.
11. THE TRAFFIC SIGNAL CONTROLLER SHALL BE AN EAGLE EPAC M52 KEYBOARD UNIT WITH BUILT-IN PORT 3 FIBER MODEM (SINGLE MODE), AND BUILT-IN STRETCH AND DELAY FEATURES FOR EACH PHASE. THE TRAFFIC CONTROLLER INSTALLATION ALONG WITH ALL AUXILIARY EQUIPMENT TO BE INSTALLED IN THE CABINET SHALL BE MANUFACTURED, SUPPLIED, AND INSTALLED IN ACCORDANCE WITH THE LATEST CITY OF MEMPHIS TRAFFIC SIGNAL CONTROLLER AND CABINET SPECIFICATIONS.
12. THE TRAFFIC SIGNAL SUPPORT POLES SHALL BE GALVANIZED STEEL POLES WITH CURVED CANTILEVERED MAST-ARM IN ACCORDANCE WITH CITY OF MEMPHIS STANDARDS. FOR POLE AND ARM DETAILS, CALL THE CITY OF MEMPHIS TRAFFIC ENGINEERING DEPT. (901-576-6710).
13. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL HAVE A HOLLOW-BASE CONCRETE FOUNDATION IN ACCORDANCE WITH CITY OF MEMPHIS STANDARD SPECIFICATIONS.
14. THE PEDESTRIAN PUSH BUTTONS SHALL HAVE AUDIO ACKNOWLEDGEMENT FEATURE (POLARA BULLDOG, CAMPBELL 4EVR OR APPROVED EQUAL).
15. CONNECTIONS TO BRIDGE STRUCTURE SHALL BE INCIDENTAL TO PAY ITEM 920-13.
16. TO BE USED AS DIRECTED BY THE ENGINEER, OR BY COUNTY ENGINEER (OR HIS AUTHORIZED REPRESENTATIVE).

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GREENLINE -
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PROJECT PHASE

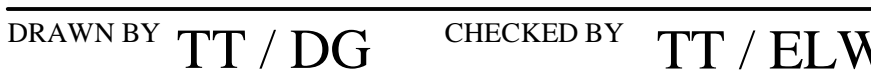
FINAL DESIGN

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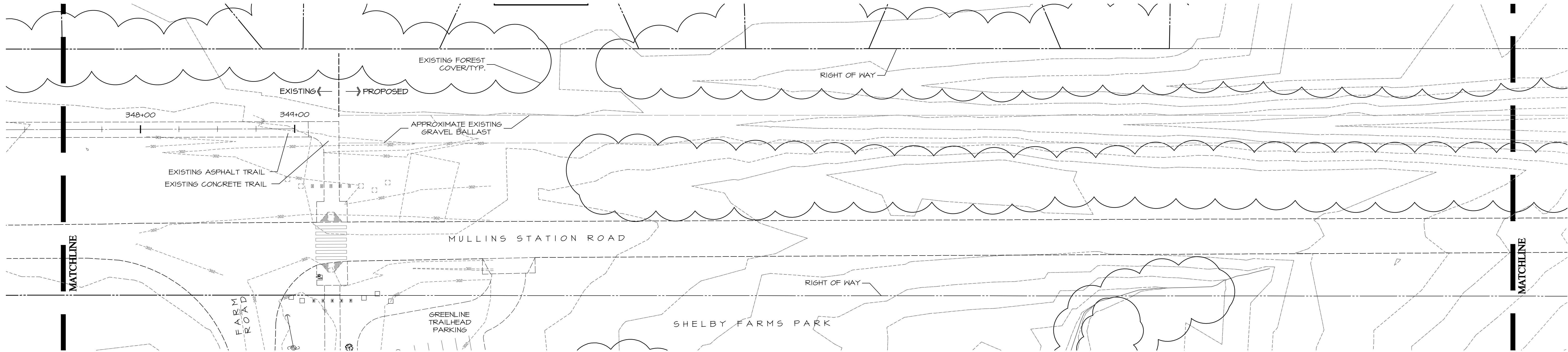
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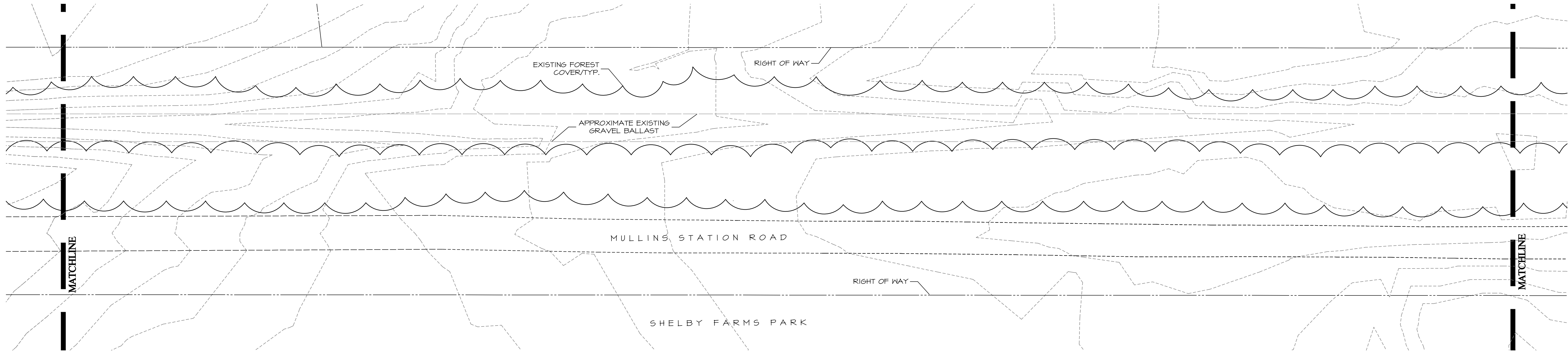
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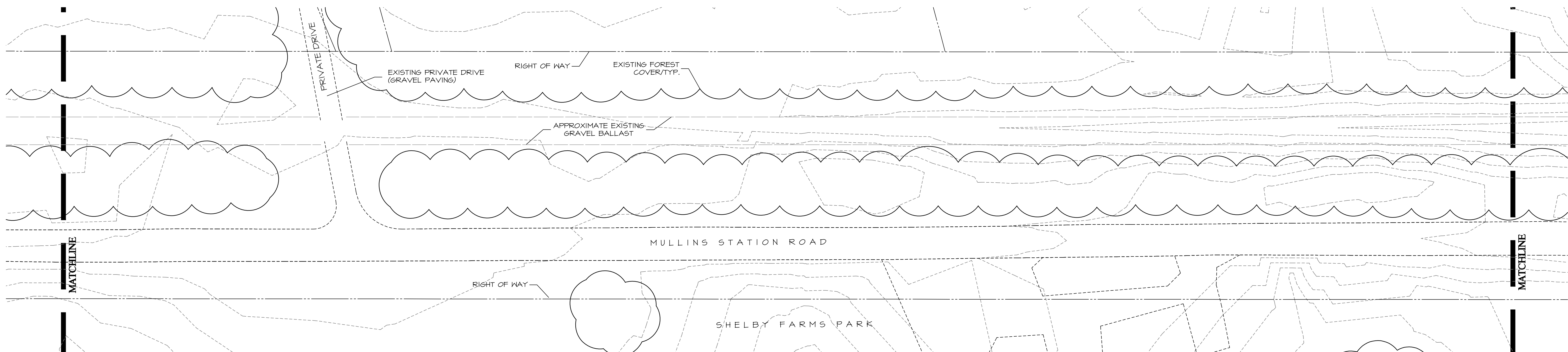
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R.O.W. ACQUISITION
TABLE



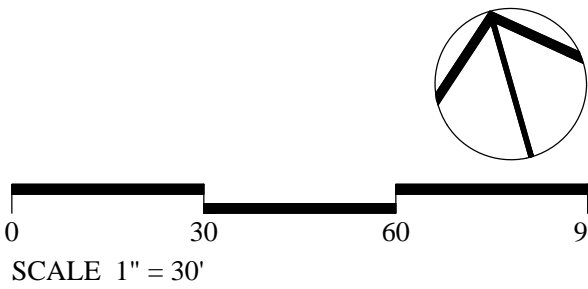
1 Farm Road



2 Farm Road - East



3 Private Drive

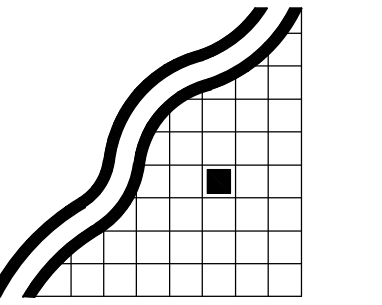


SHELBY FARMS
GREENLINE -
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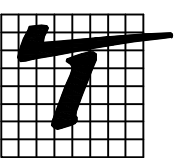
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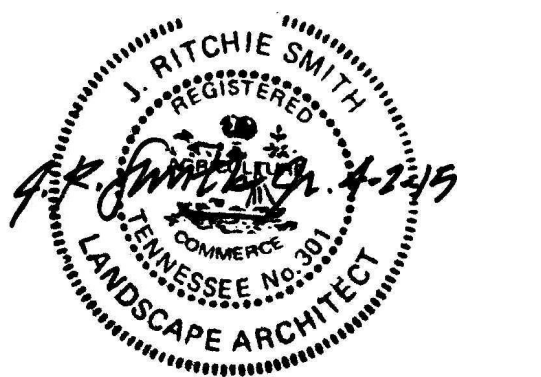
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EC101

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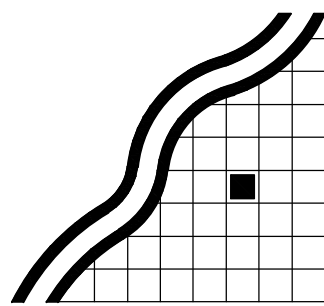
EXISTING CONDITIONS

SHELBY FARMS
GREENLINE -
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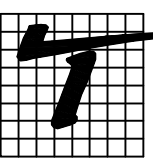
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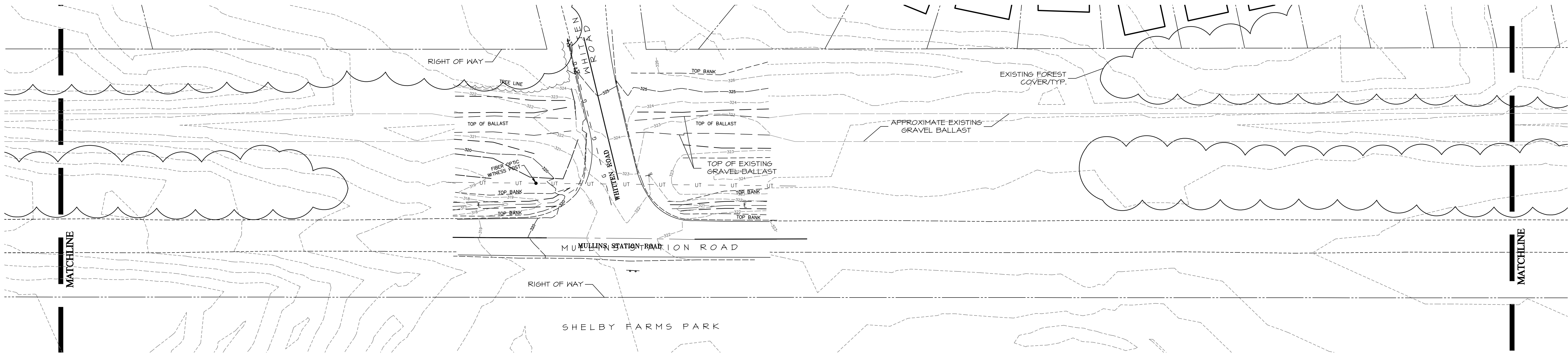
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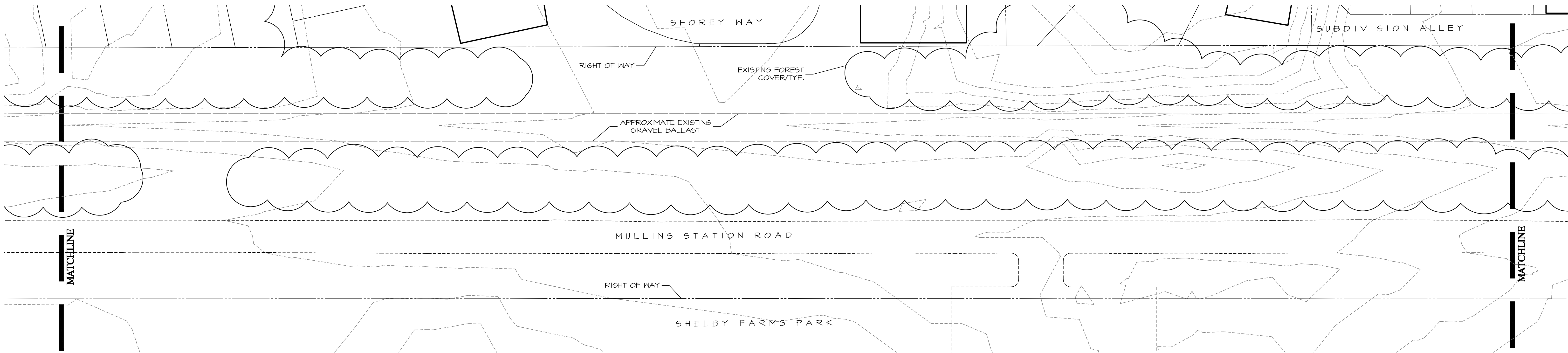


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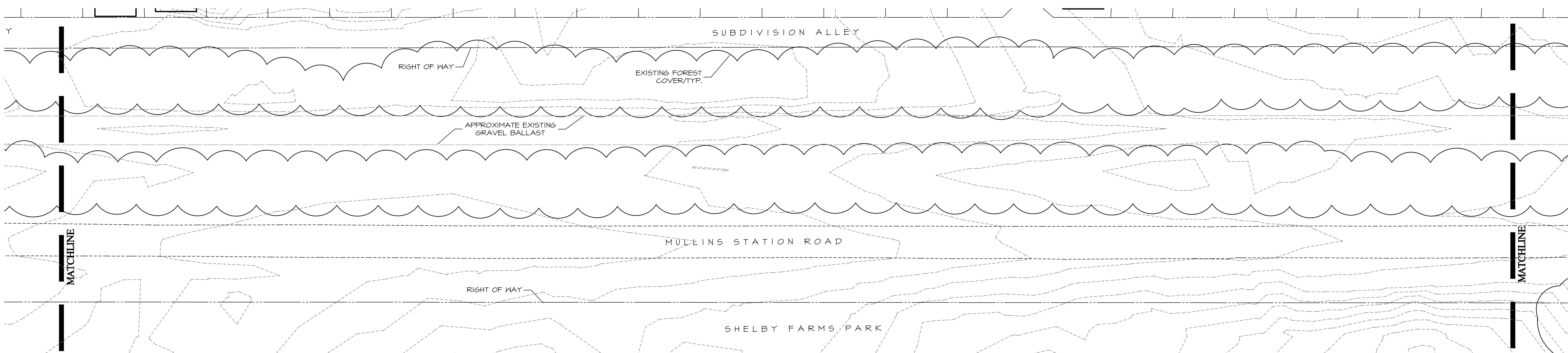
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4 Whitten Road



5 Whitten Road - East



6 Cross Country Trail - West

PROJECT PHASE

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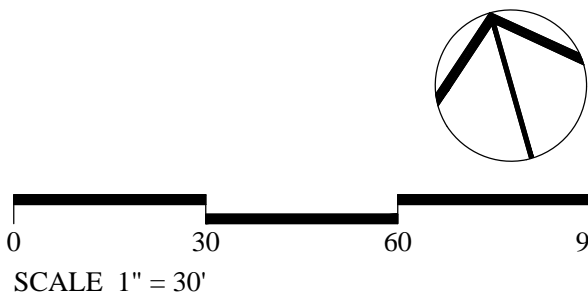
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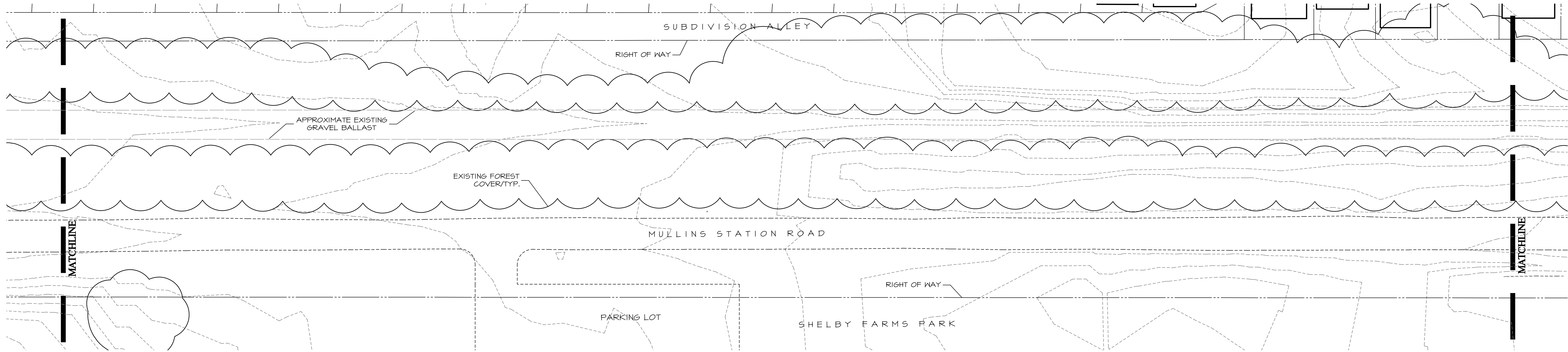
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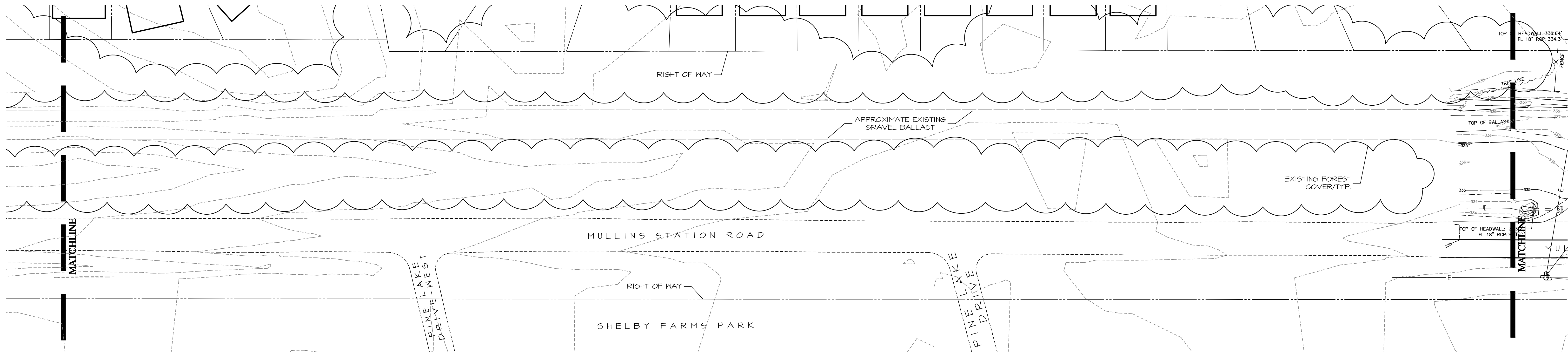
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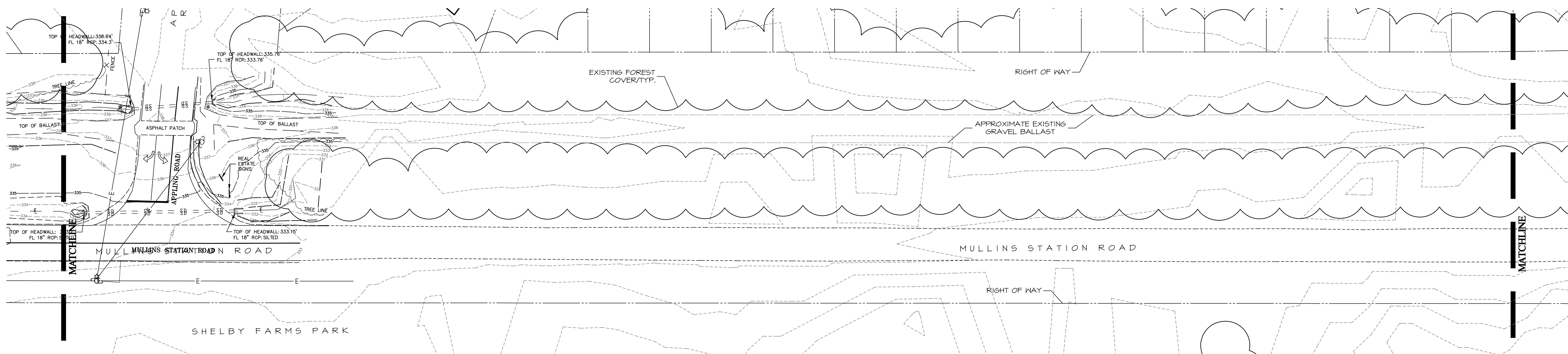




7 Cross Country Trail



8 Pine Lake Drive



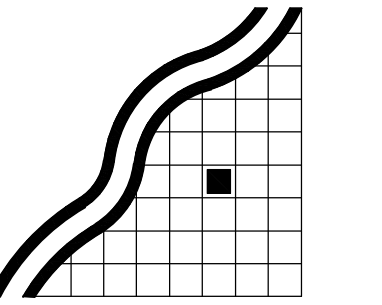
9 Appling Road

SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

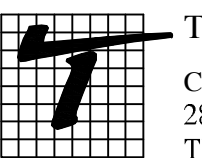


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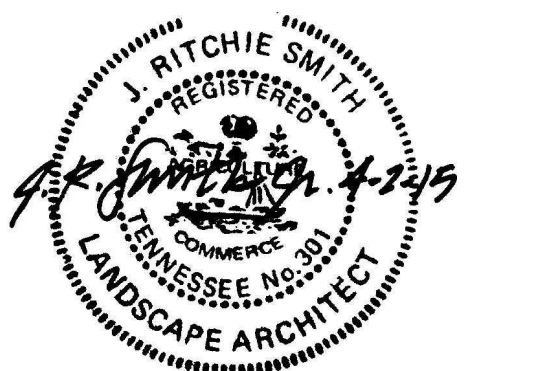
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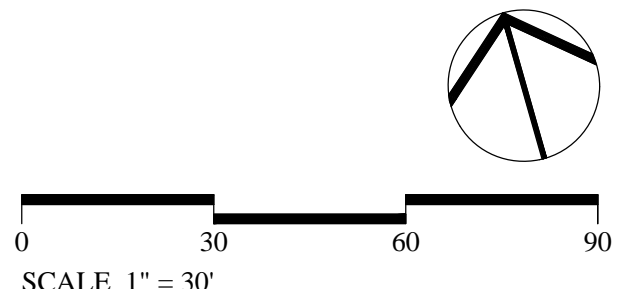
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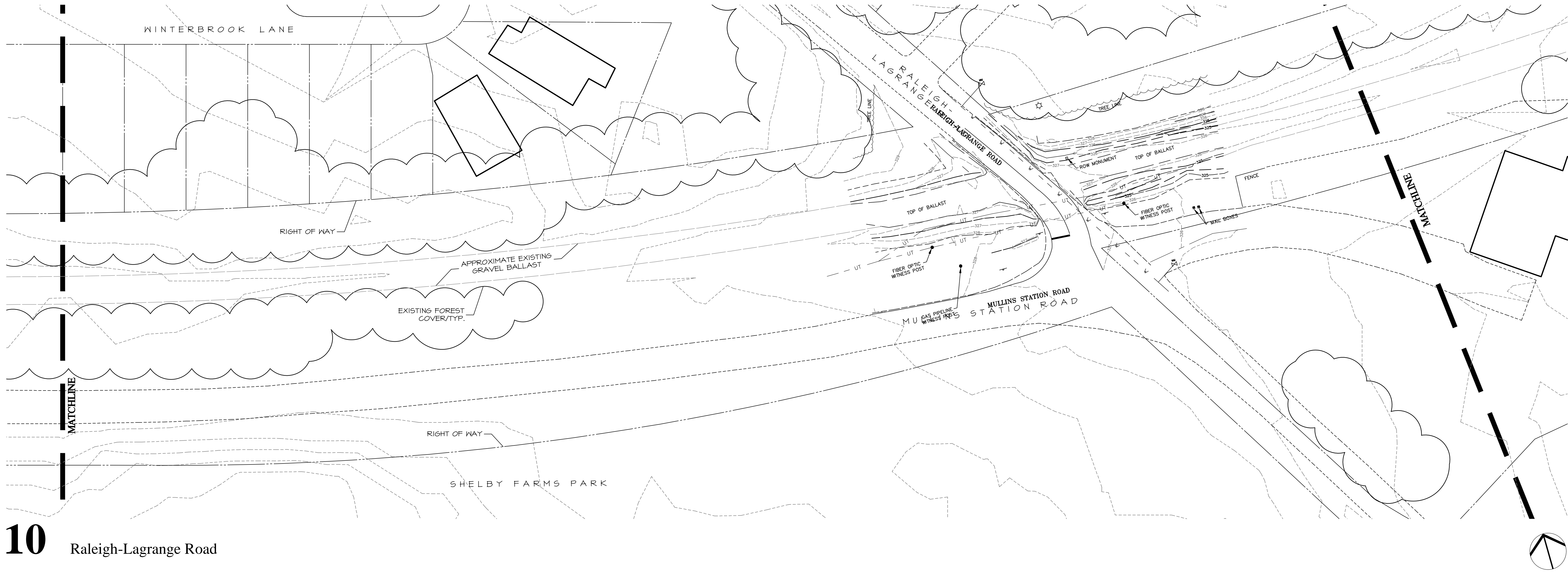
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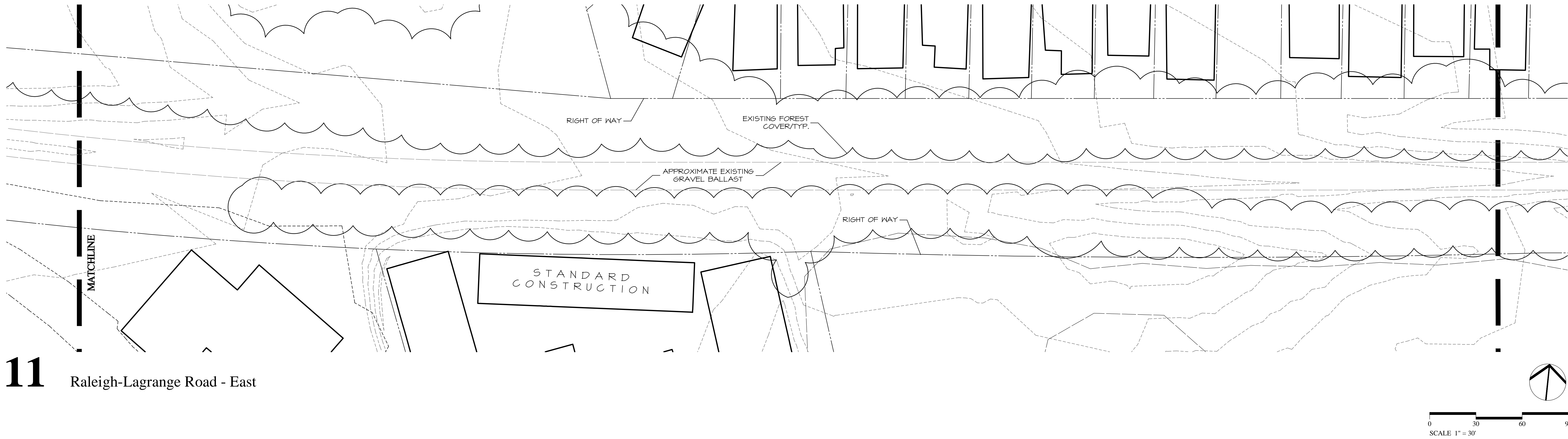
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EXISTING CONDITIONS





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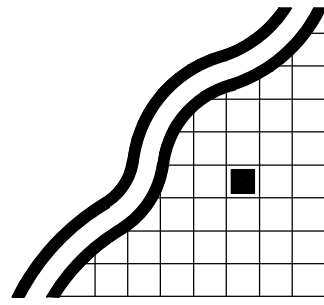
11 Raleigh-Lagrange Road - East

SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

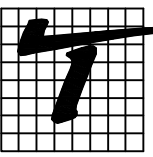


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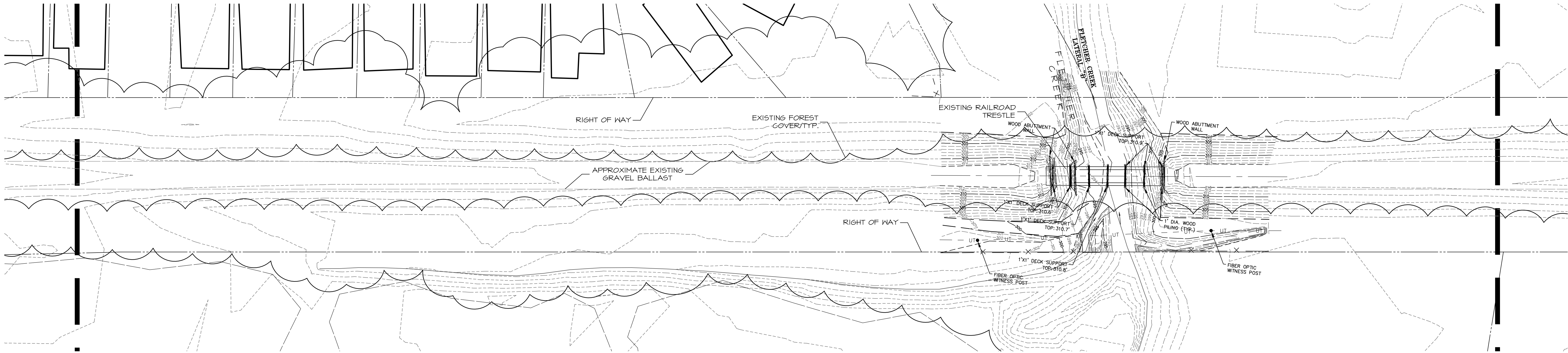
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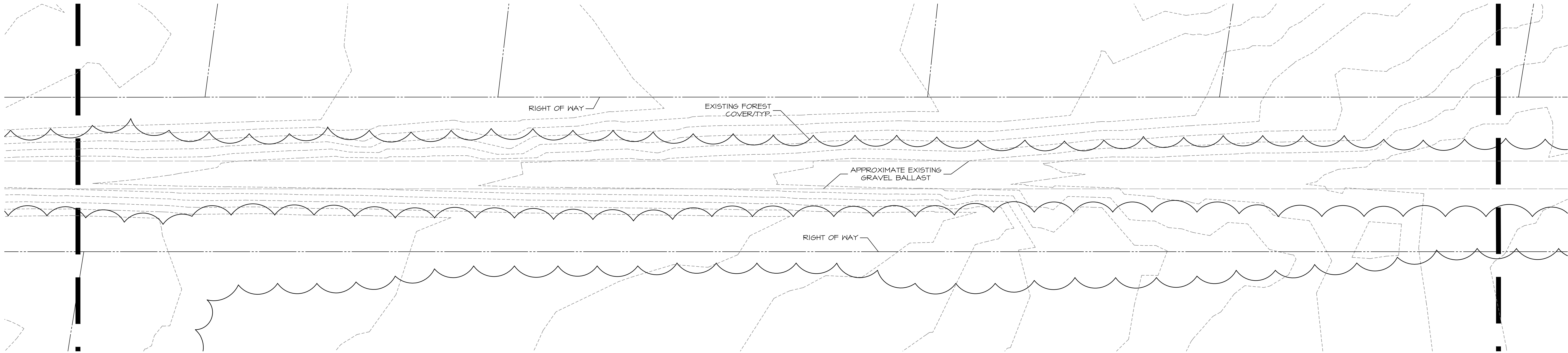
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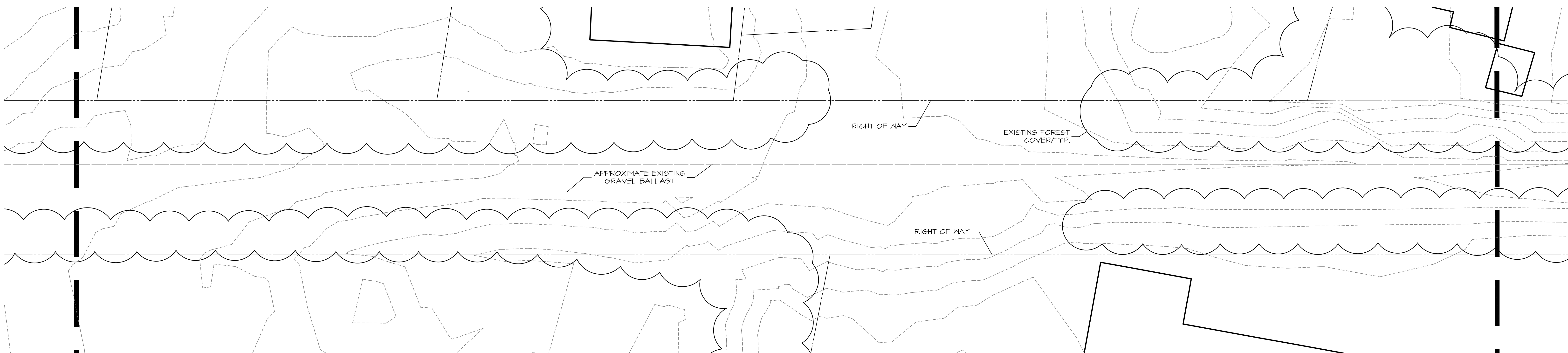
EXISTING CONDITIONS



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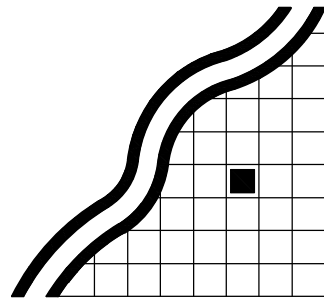
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14 SportsPlex - West

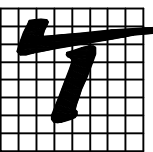


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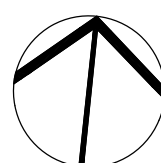
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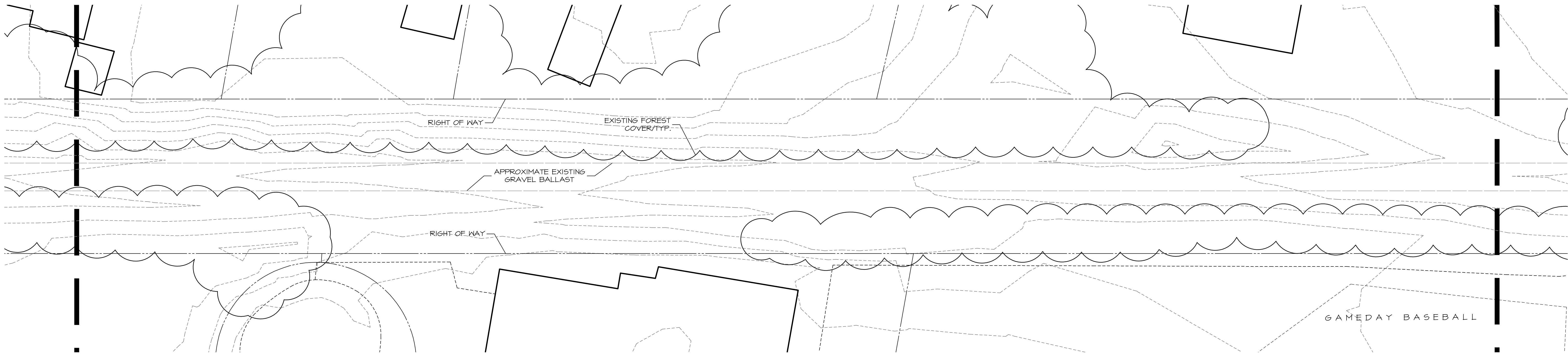
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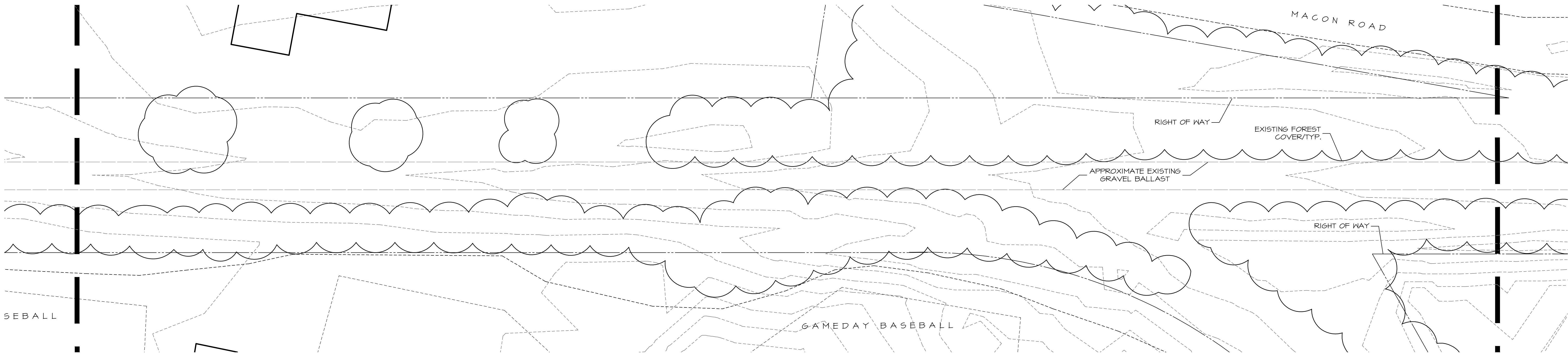
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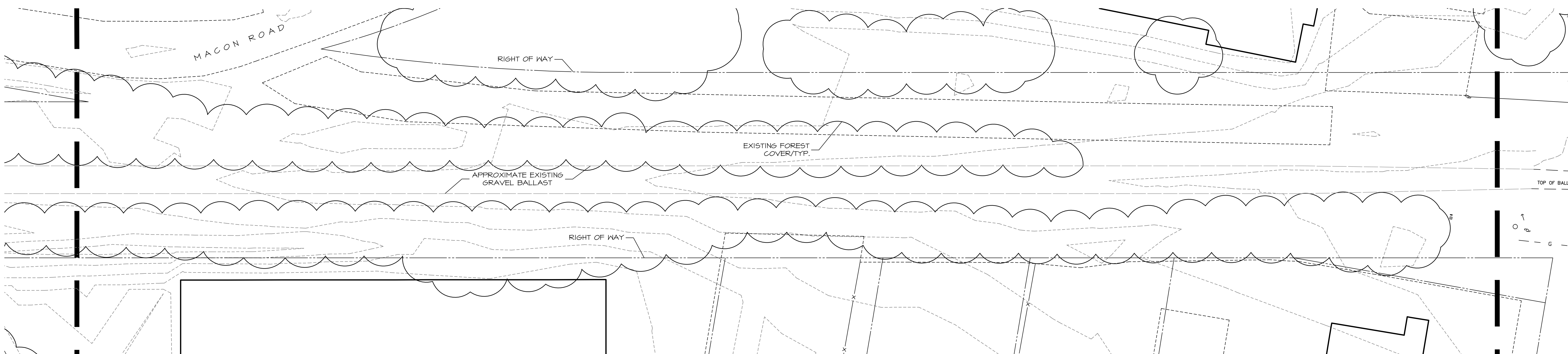
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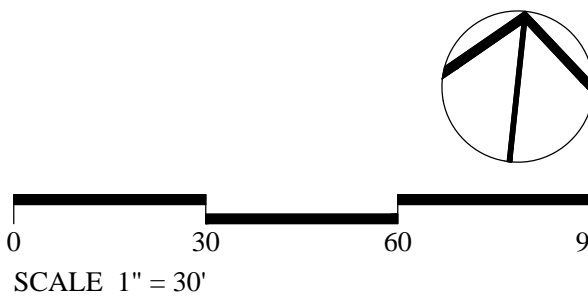
15 SportsPlex



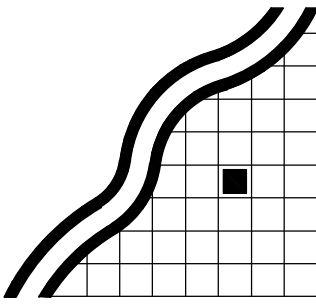
16 SportsPlex - East



17 Germantown Parkway - West



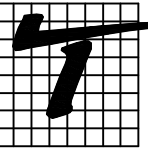
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PROJECT PHASE

FINAL DESIGN

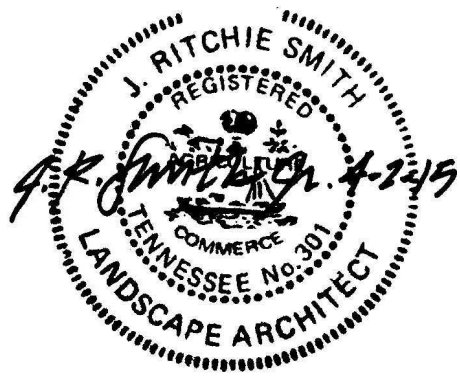
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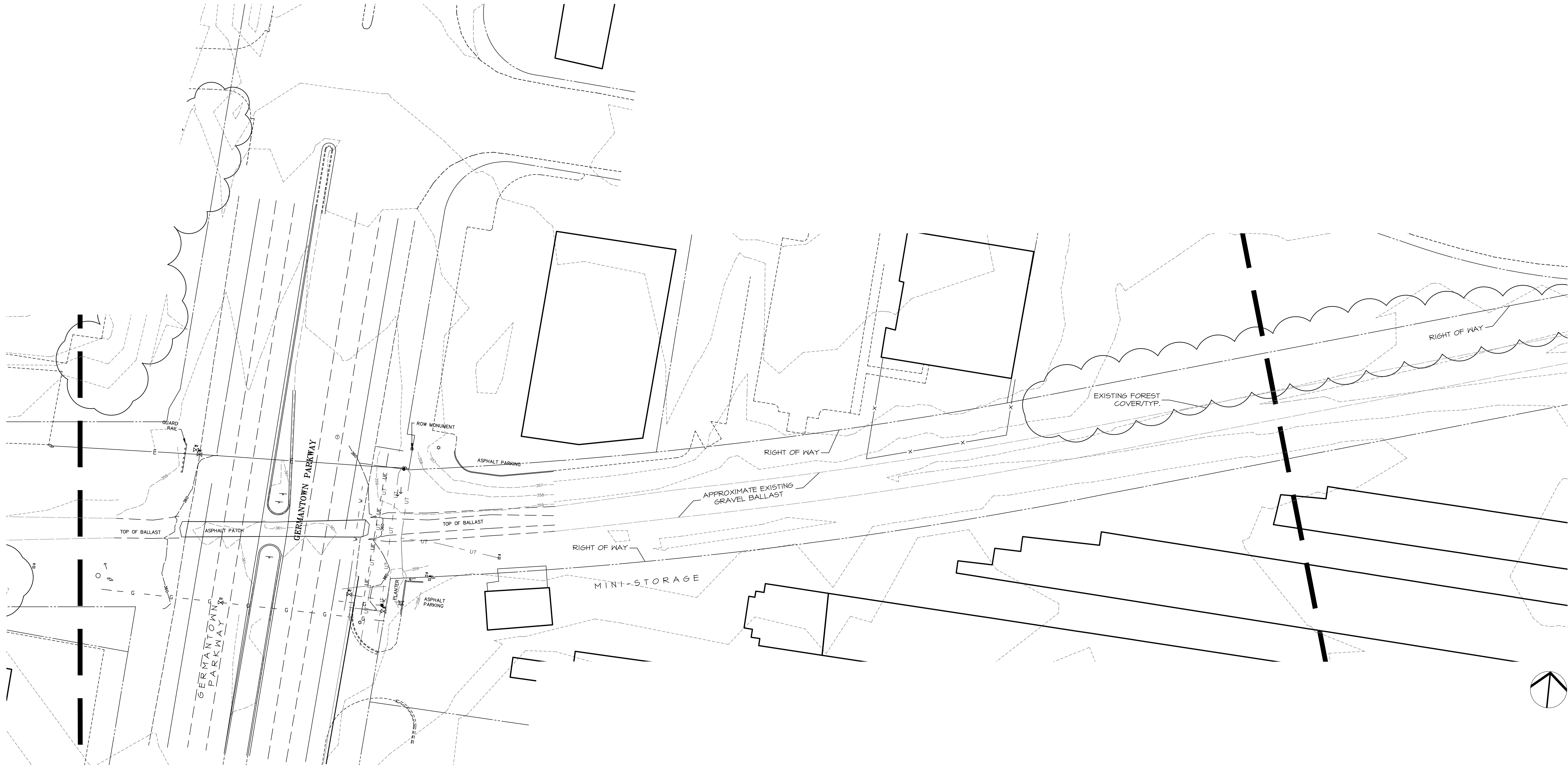
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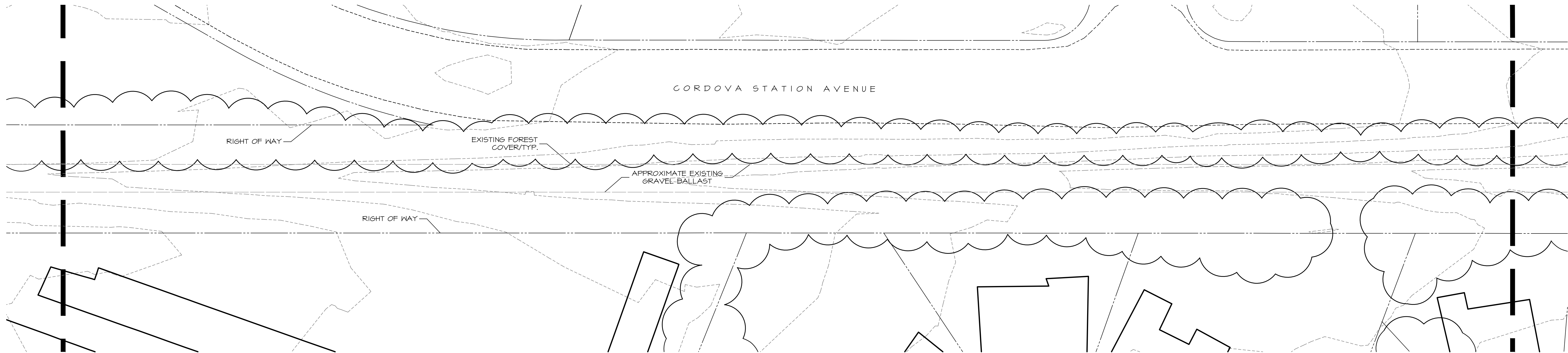
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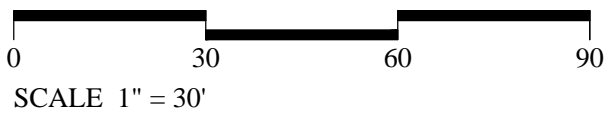
EXISTING CONDITIONS



18 Germantown Parkway



19 Cordova Station - West

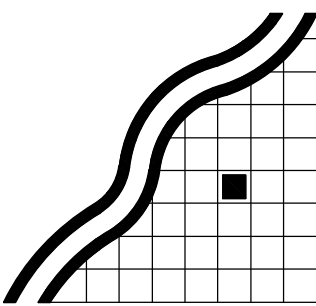


SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



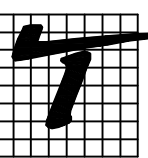
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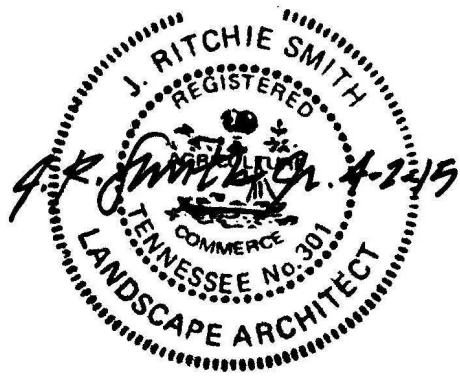
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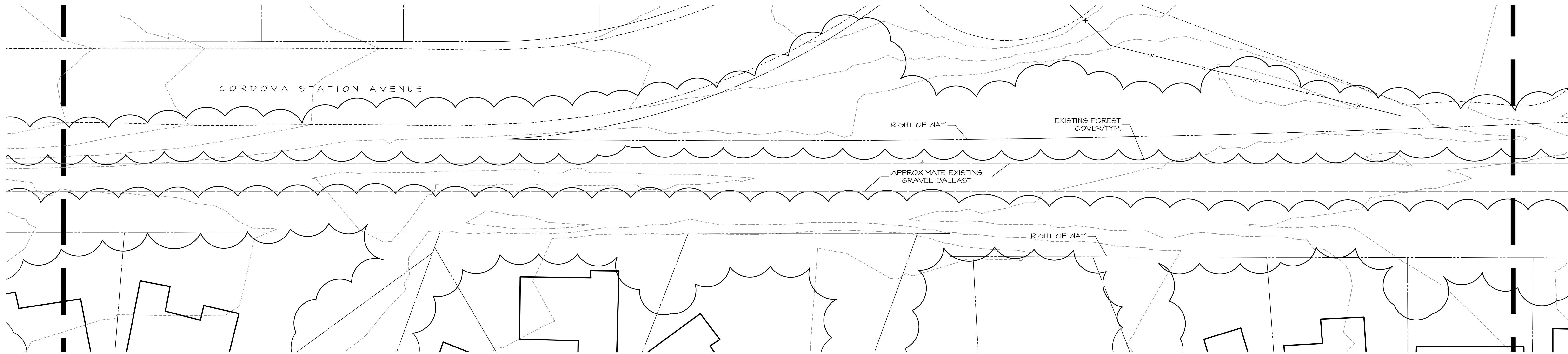
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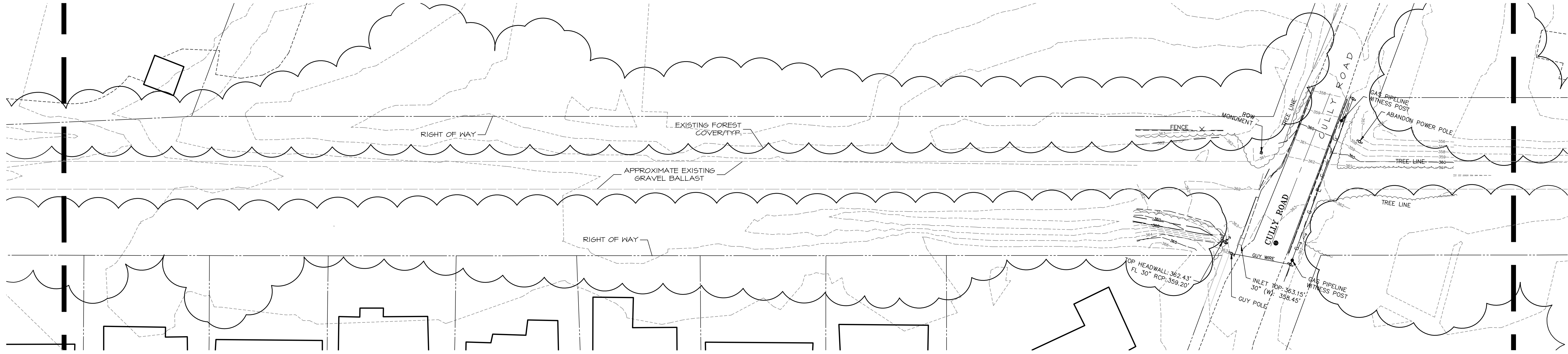
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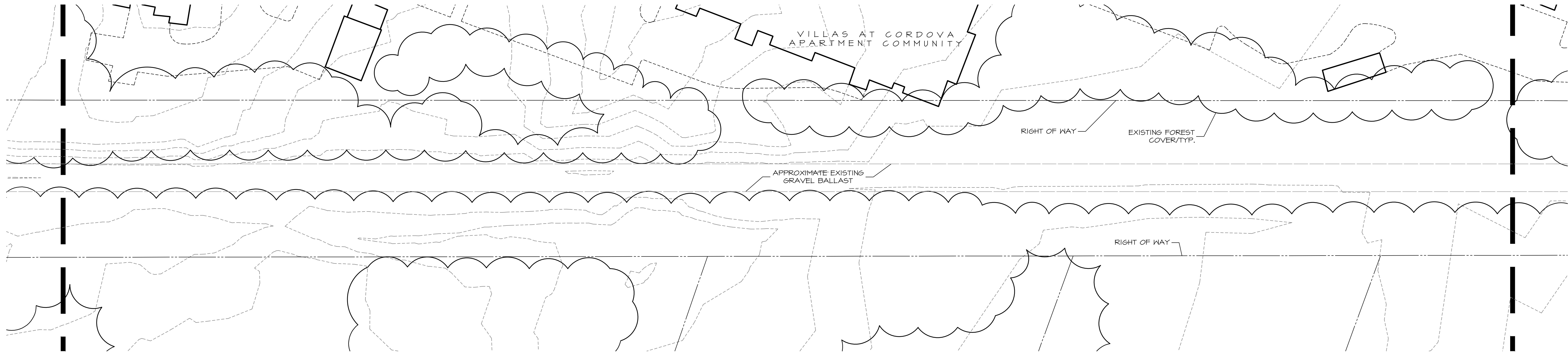
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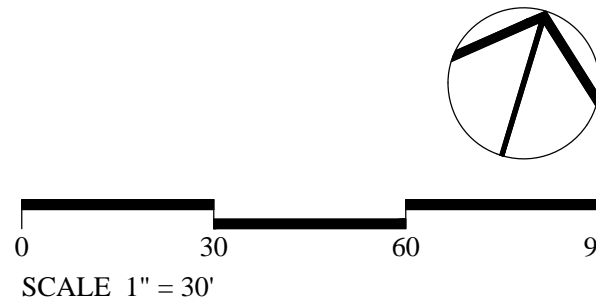
20 Cordova Station - East



21 Cully Road



22 Cully Road - East

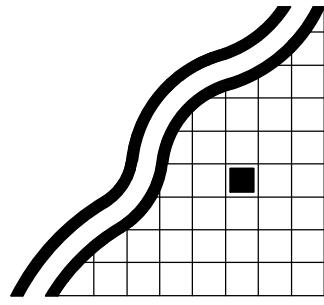


SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



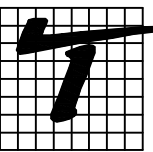
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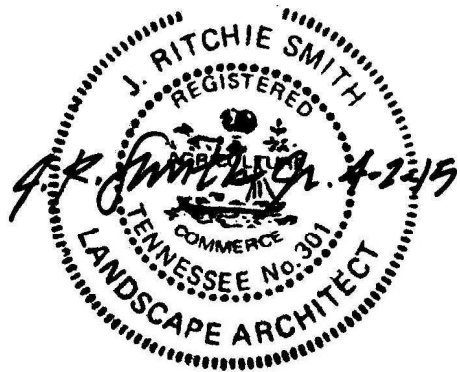
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SEAL



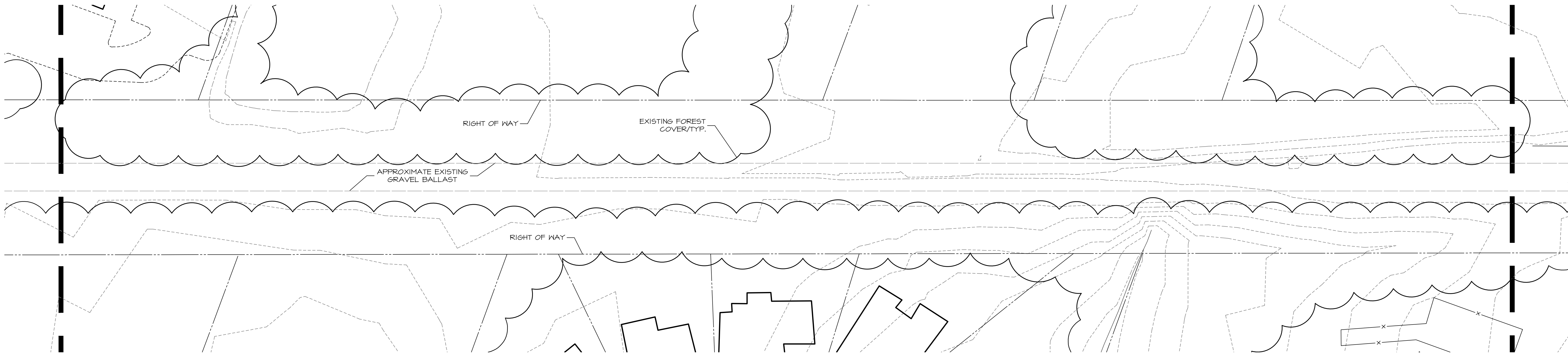
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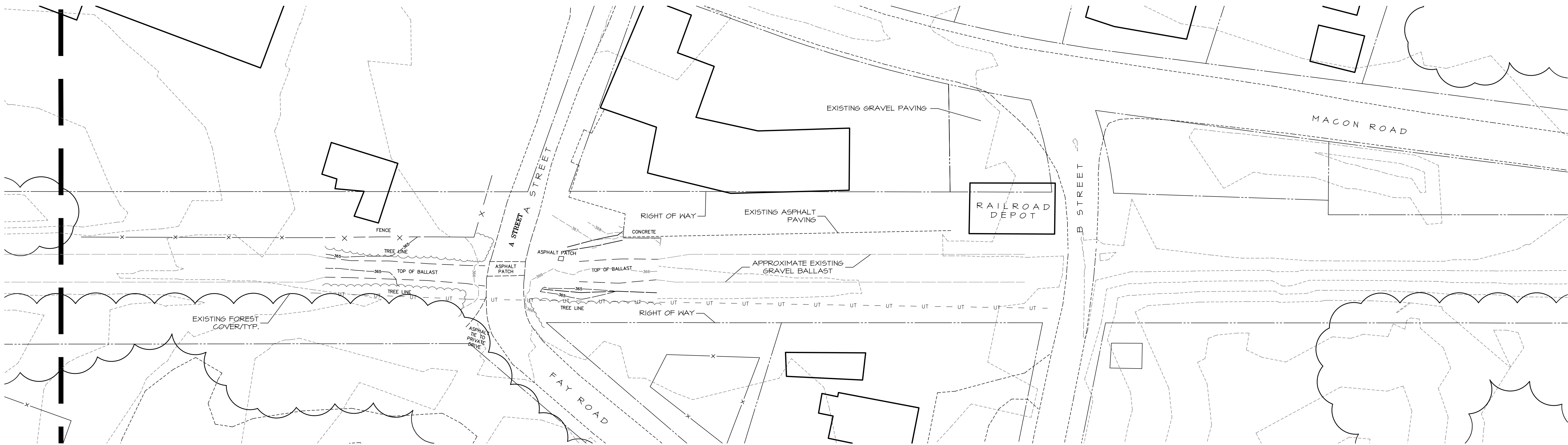
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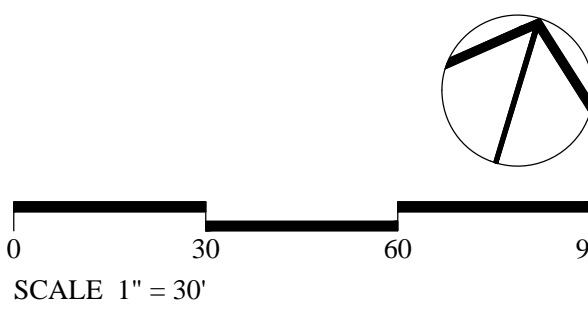
EXISTING CONDITIONS



23 A Street - West



24 Cordova Depot

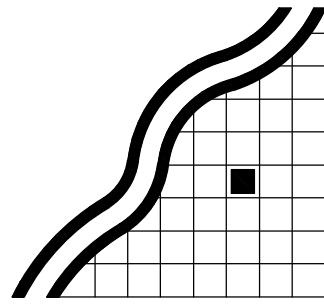


SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

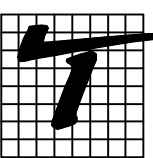


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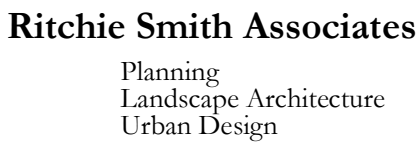
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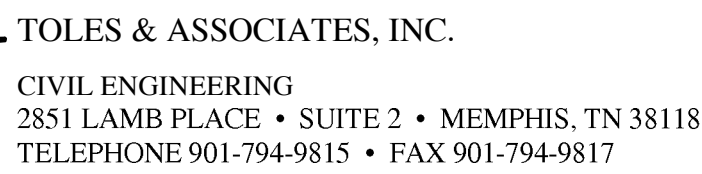
SHEET TITLE

EXISTING CONDITIONS

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



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REVISIONS

SEAL



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2. CONCRETE APRON AND SIDEWALKS SHALL HAVE MAXIMUM GROSS SLOPE OF 15%.
3. ASPHALT TRAIL SHALL HAVE MAXIMUM LONGITUDINAL SLOPE OF 2.0%. MAXIMUM GROSS SLOPE SHALL BE 1.5% PER DETAIL 1/SDSOI.
4. ALL WORK SHALL COMPLY WITH THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (BY THE UNITED STATES ACCESS BOARD).

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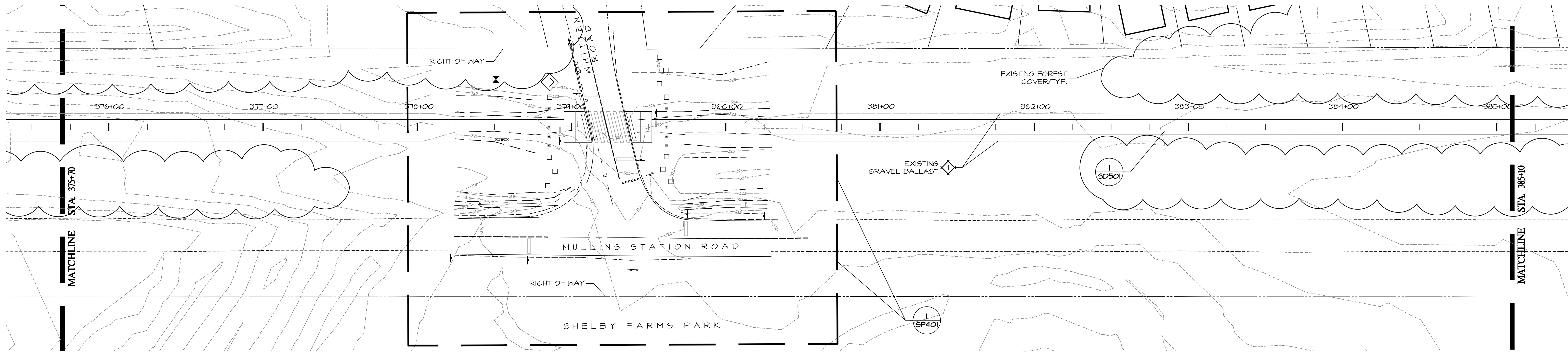
1. REMOVE VEGETATION FROM EXISTING GRAVEL BALLAST TO CREATE A CLEAR ZONE 3' WIDE ON EACH SIDE OF TRAIL, AND 10' HEIGHT. VEGETATION REMOVAL SHALL INCLUDE GRASS, WEEDS, VINES AND WOODY VEGETATION. APPLY NON-PERSISTENT SYSTEMIC HERBICIDE SUCH AS ROUNDUP TO VEGETATION AND REMOVE DEAD OR DORMANT VEGETATION FROM SITE. PRESERVE ALL OTHER VEGETATION EXCEPT AS NOTED.

2. ALONG BRIDGE, REMOVE VEGETATION AS NOTED ABOVE TO CREATE A CLEAR ZONE 2' WIDE ALONG EACH SIDE OF THE TRAIL AND 10' HEIGHT.

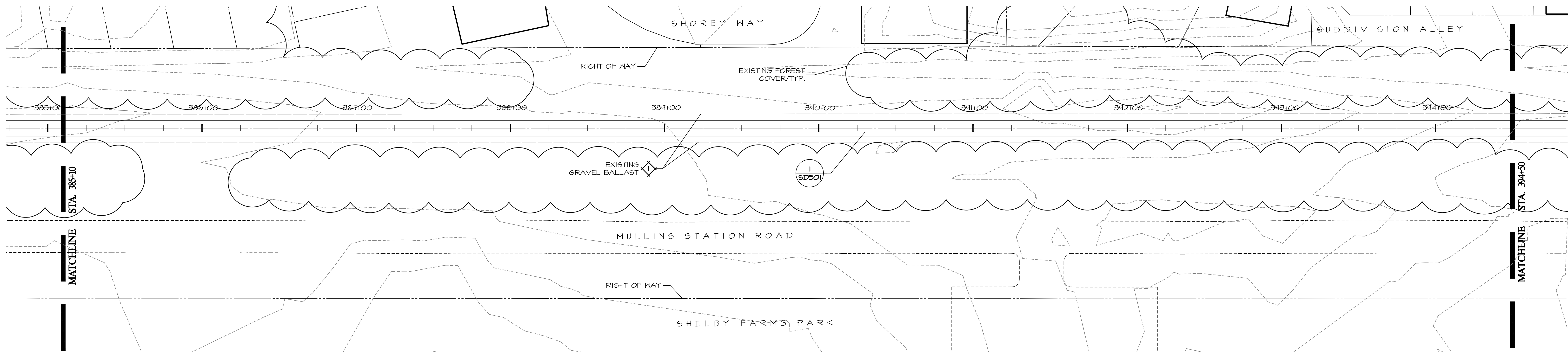
3. INSTALL BENCH ON 4' x 13' CONCRETE PAD (3 LOCATIONS ON TRAIL). PAD SHALL BE 4" THICK WITH MEDIUM BROOM FINISH PERPENDICULAR TO TRAIL. BENCH SHALL BE MLD910-PCG BY MAGLIN. BENCH SHALL HAVE ALUMINUM SUPPORTS WITH POWDER COAT FINISH, GRAPHITE COLOR. SLATS SHALL BE HIGH DENSITY PAPER COMPOSITE, CHARCOAL COLOR.

4. SUBMIT PRODUCT DATA TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING BENCHES. BENCHES SHALL BE SURFACE MOUNTED WITH STAINLESS STEEL HARDWARE. BENCH SHALL BE 18" FROM EDGE OF PAD AND 6" FROM BACK OF PAD. LANDSCAPE ARCHITECT SHALL APPROVE LOCATION OF BENCH PADS AND BENCHES PRIOR TO INSTALLATION.

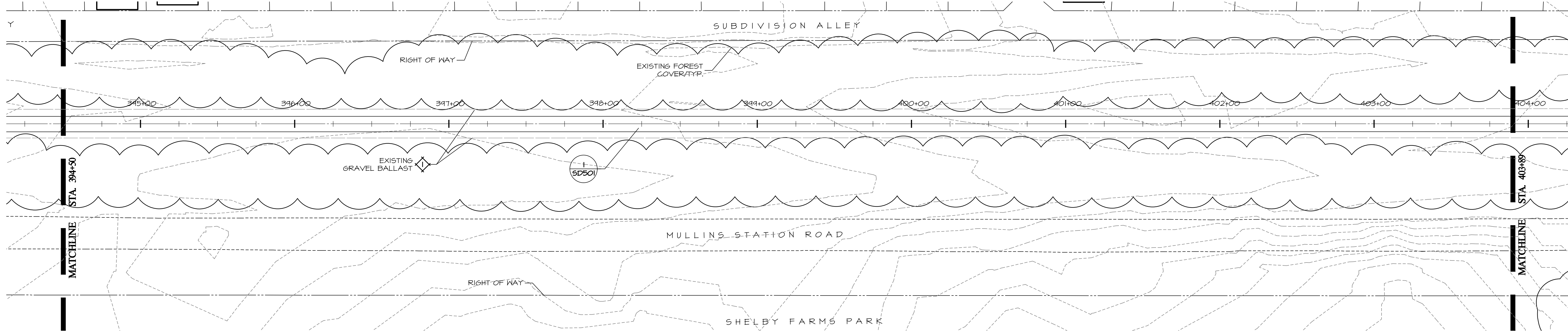




4 Whitten Road



5 Whitten Road - East



6 Cross Country Trail - West

GRADING AND DRAINAGE NOTES

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2. ALONG BRIDGE, REMOVE VEGETATION AS NOTED ABOVE TO CREATE A CLEAR ZONE 2' WIDE ALONG EACH SIDE OF THE TRAIL AND 10' HEIGHT.
3. INSTALL BENCH ON 4' x 18" CONCRETE PAD (5 LOCATIONS ON TRAIL). PAD SHALL BE 4" THICK WITH MEDIUM BROOK FINISH PERPENDICULAR TO TRAIL. BENCH SHALL BE MLB170-PCG BY MAGLIN. BENCH SHALL HAVE CAST ALUMINUM SUPPORTS WITH POWDER COAT FINISH, GRAPHITE COLOR. SLATS SHALL BE HIGH DENSITY PAPER COMPOSITE, CHARCOAL COLOR.
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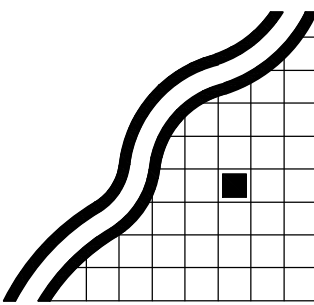


SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

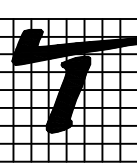


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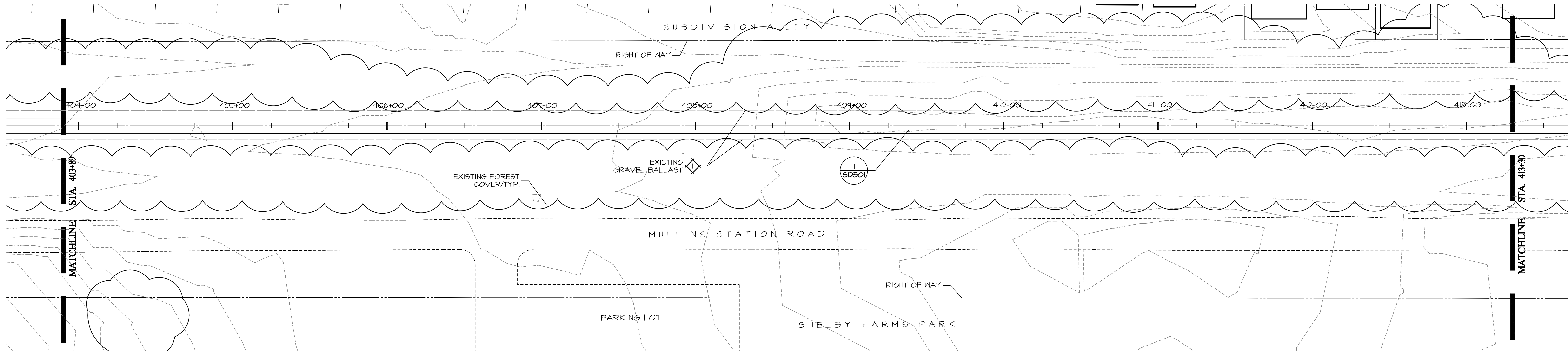
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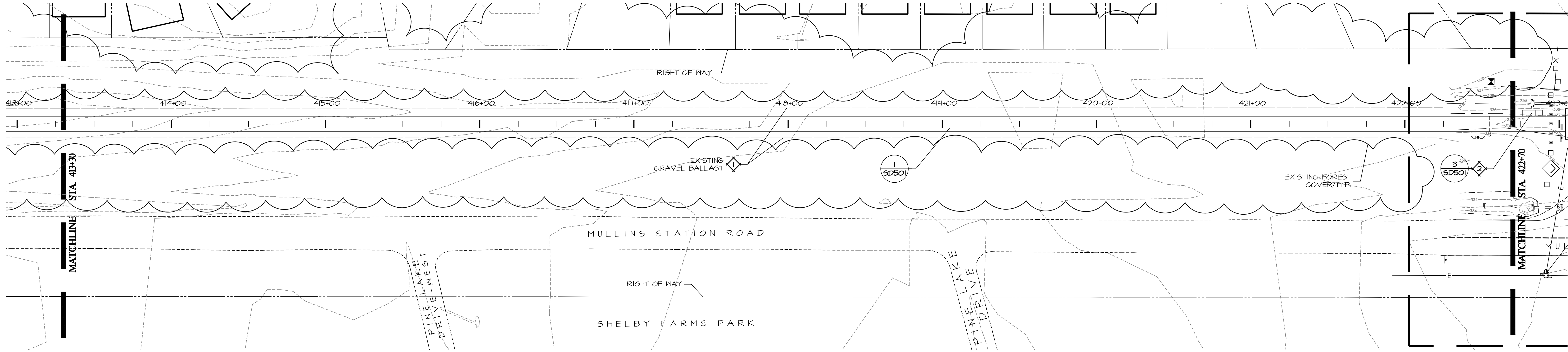
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SITE PLAN

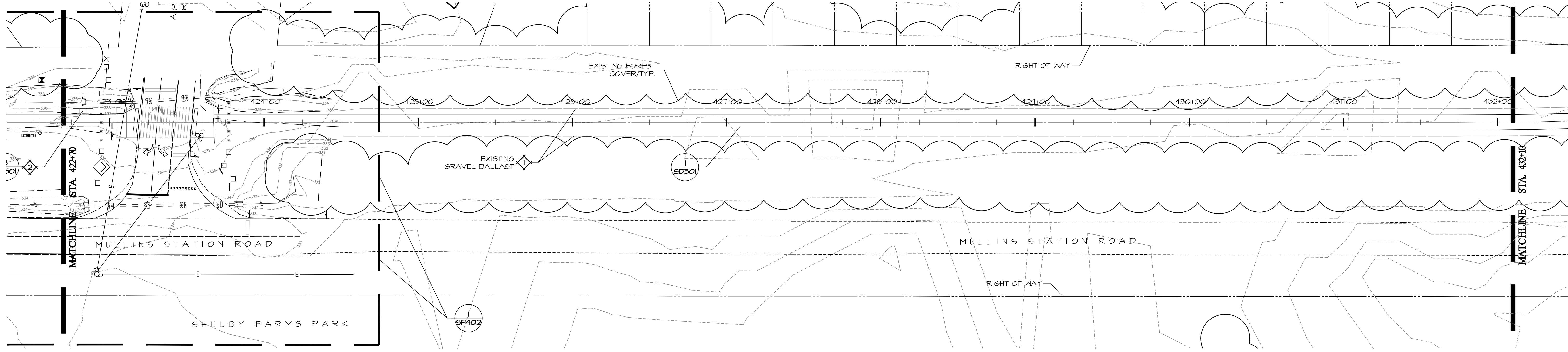
STA. 375+70 TO 403+89



7 Cross Country Trail



8 Pine Lake Drive



9 Applling Road

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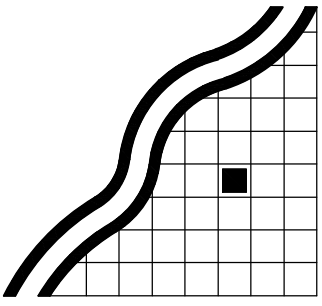


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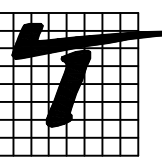


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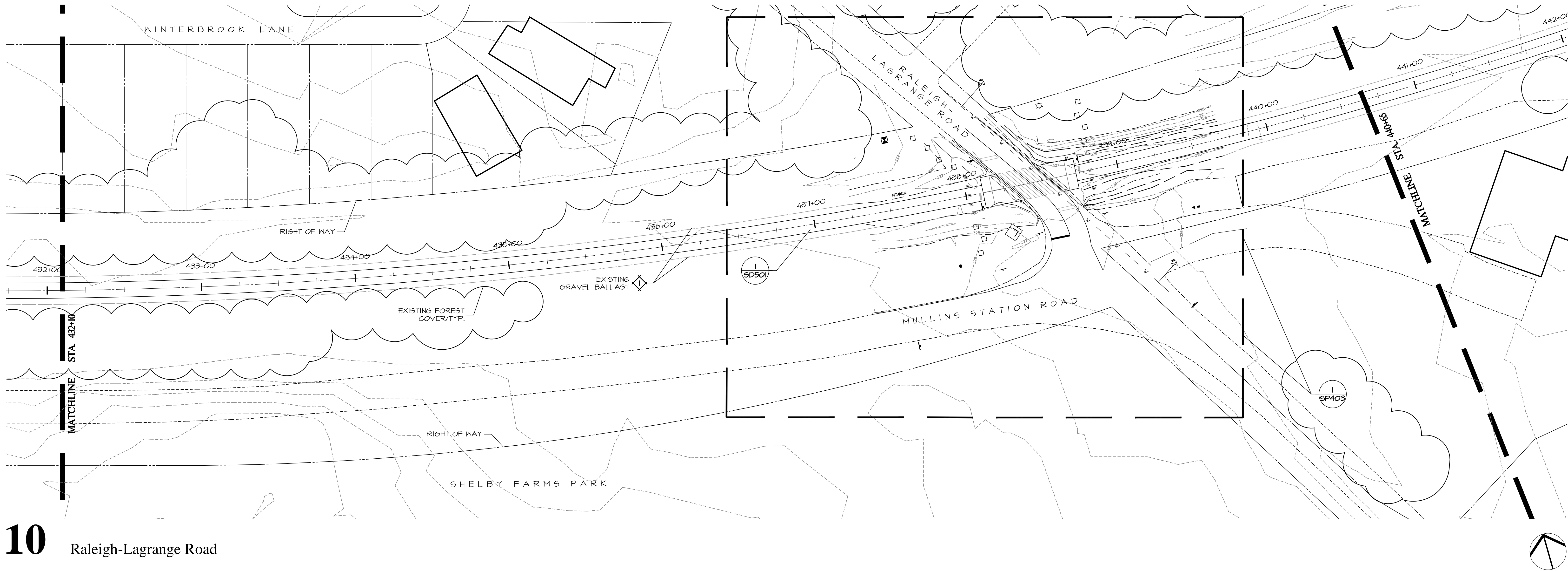
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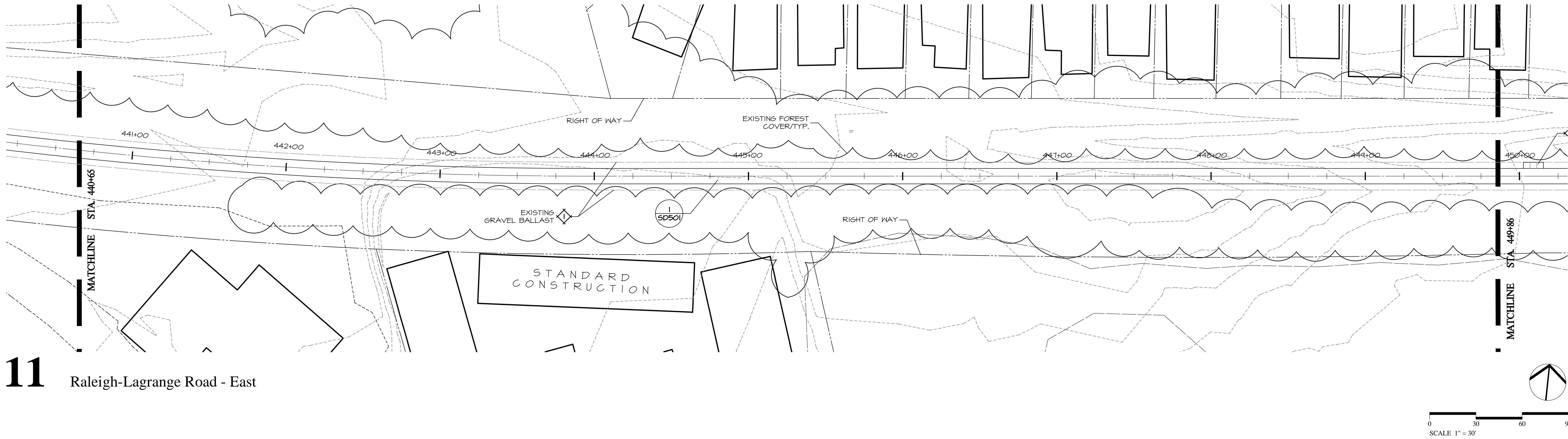
SHEET TITLE

SITE PLAN

STA. 403+89 TO 432+10



10 Raleigh-Lagrange Road



11 Raleigh-Lagrange Road - East

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KEY NOTES

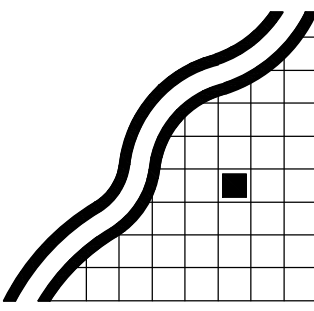
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SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

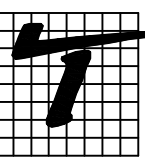


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PROJECT PHASE

FINAL DESIGN

DATE OF ISSUE

APRIL 2, 2015

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SEAL



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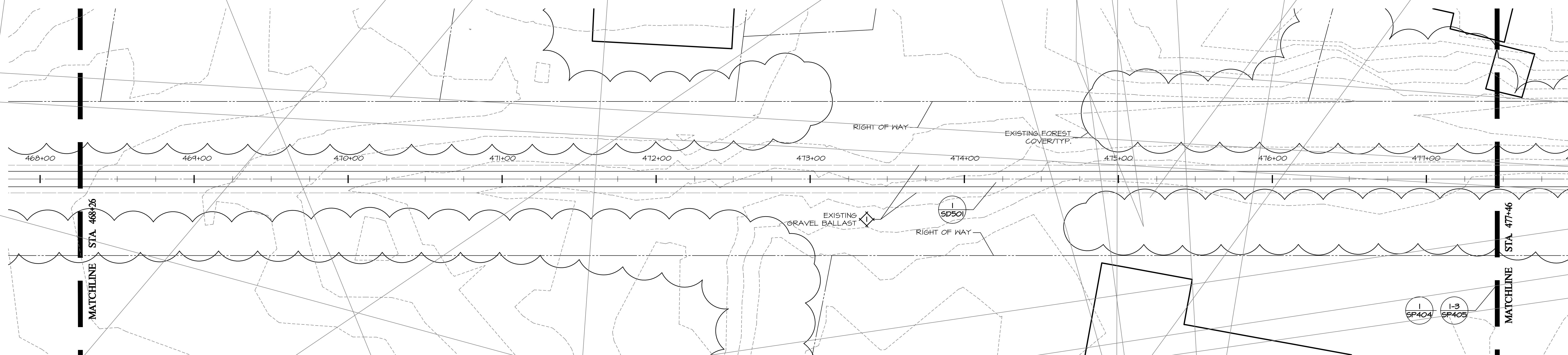
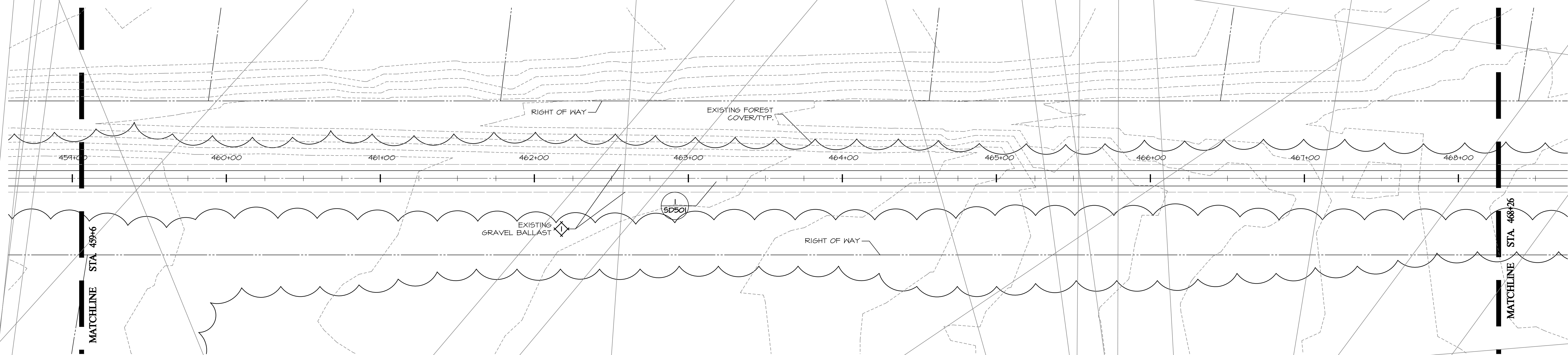
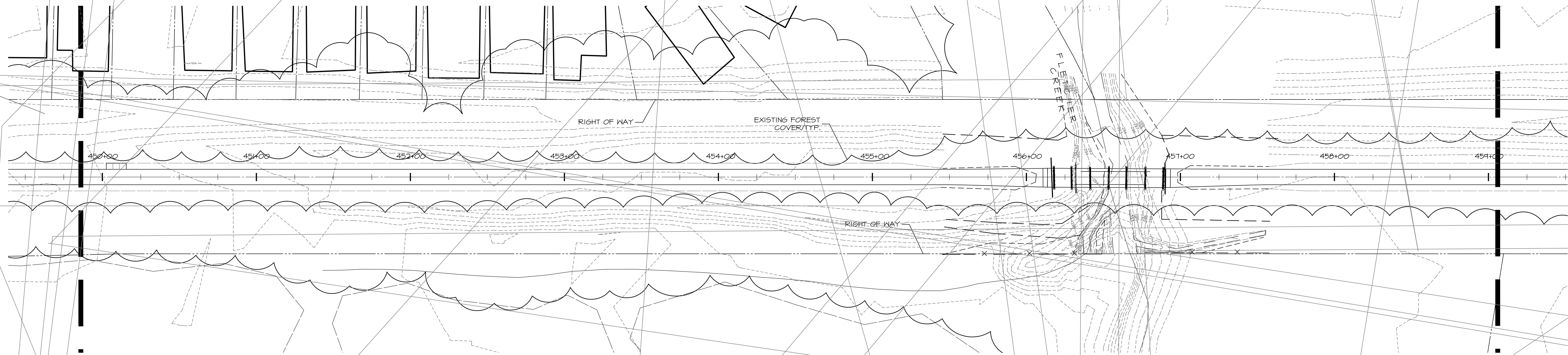
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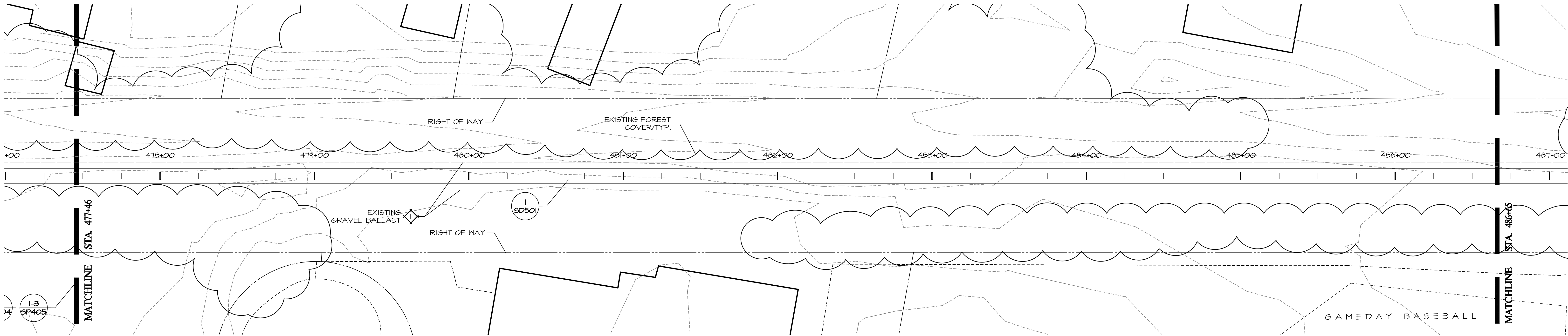
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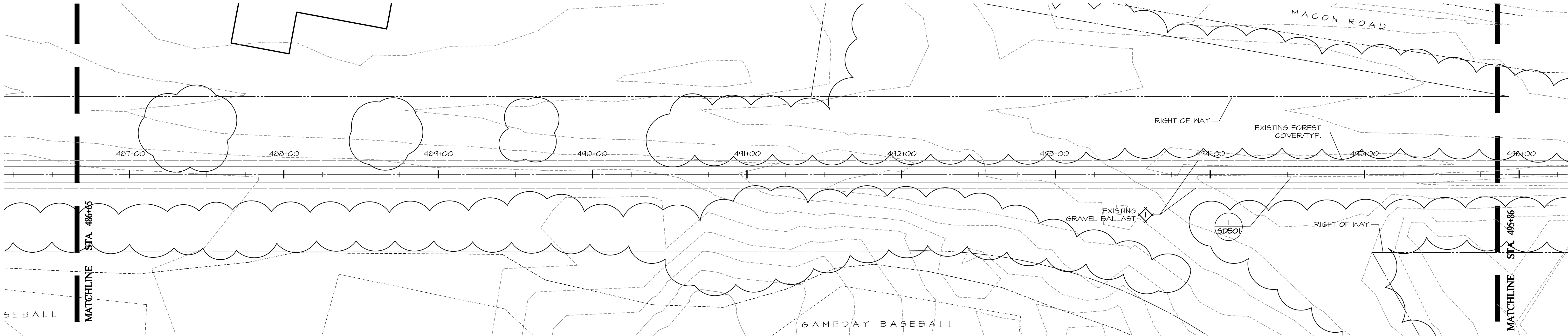
SITE PLAN

STA. 432+10 TO 449+86

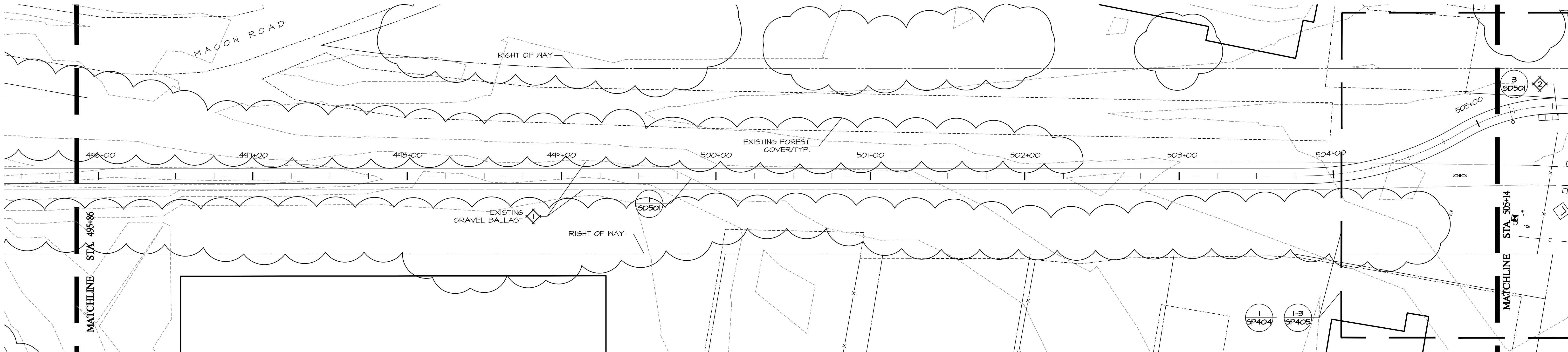




15 Sportsplex



16 Sportsplex - East



17 Germantown Parkway - West

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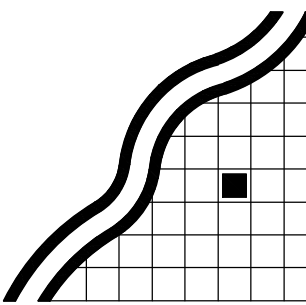


SHELBY FARMS
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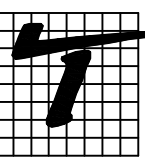
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PROJECT PHASE

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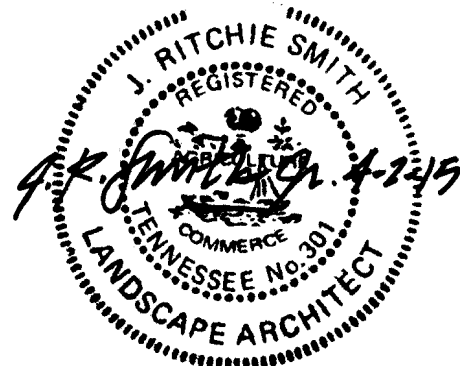
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SEAL



DRAWN BY NH / RSA

CHECKED BY RS / RSA

SHEET NO.

SP106

SHEET TITLE

SITE PLAN

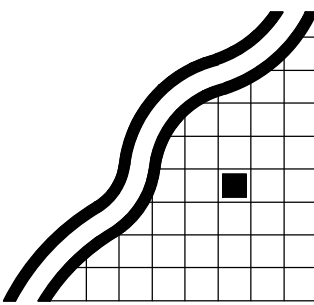
STA. 477+46 TO 505+14

SHELBY FARMS
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EAST EXTENSION

SHELBY COUNTY GOVERNMENT
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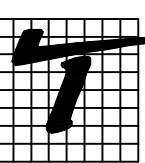


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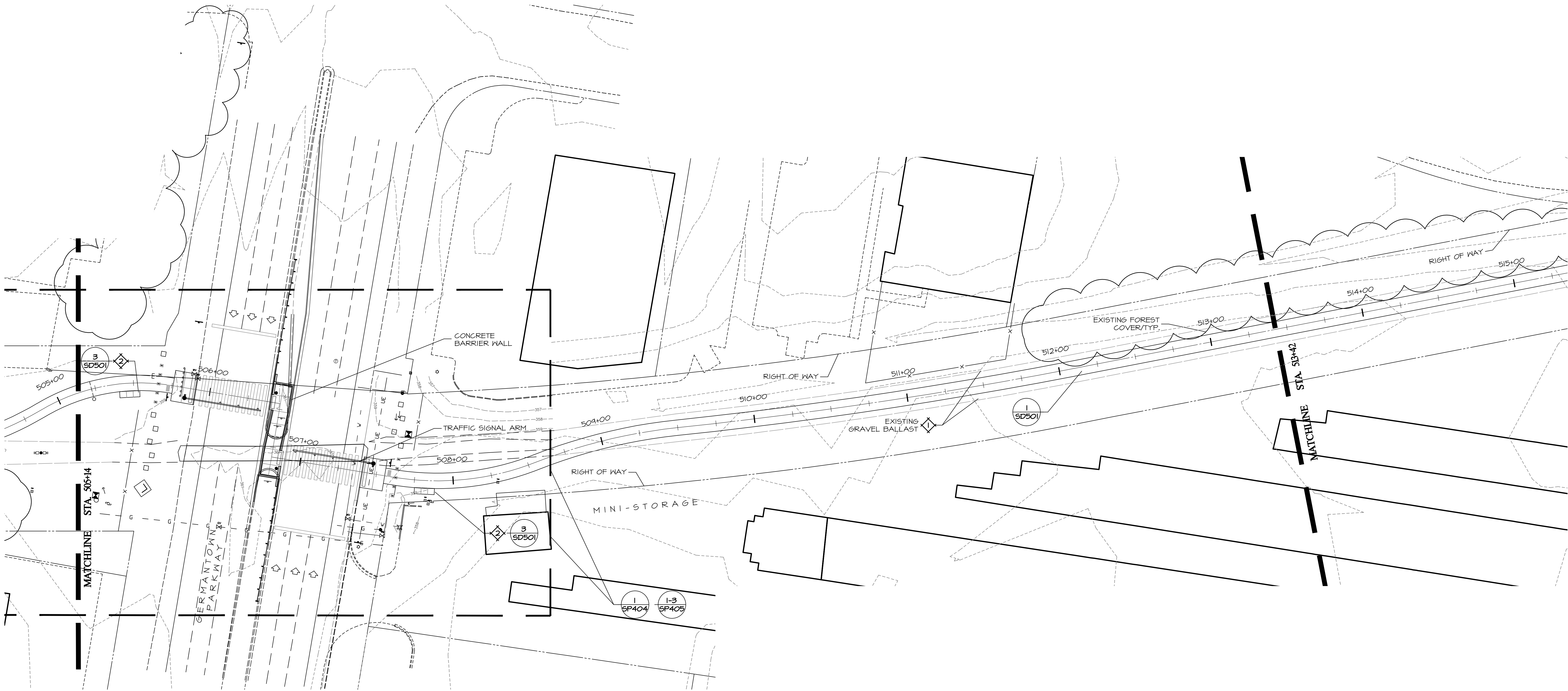


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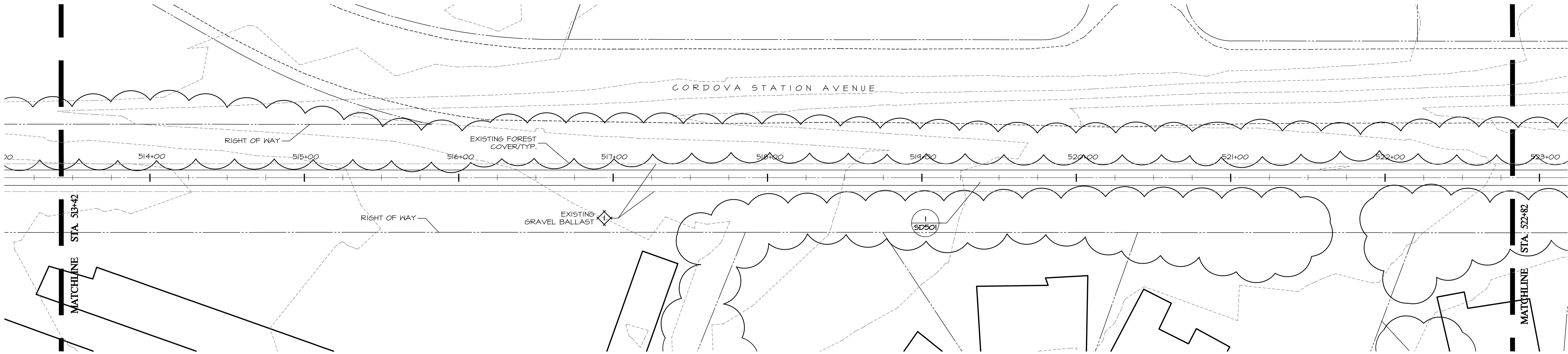
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18 Germantown Parkway



19 Cordova Station - West

GRADING AND DRAINAGE NOTES

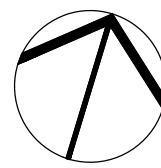
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0 30 60 90
SCALE 1" = 30'

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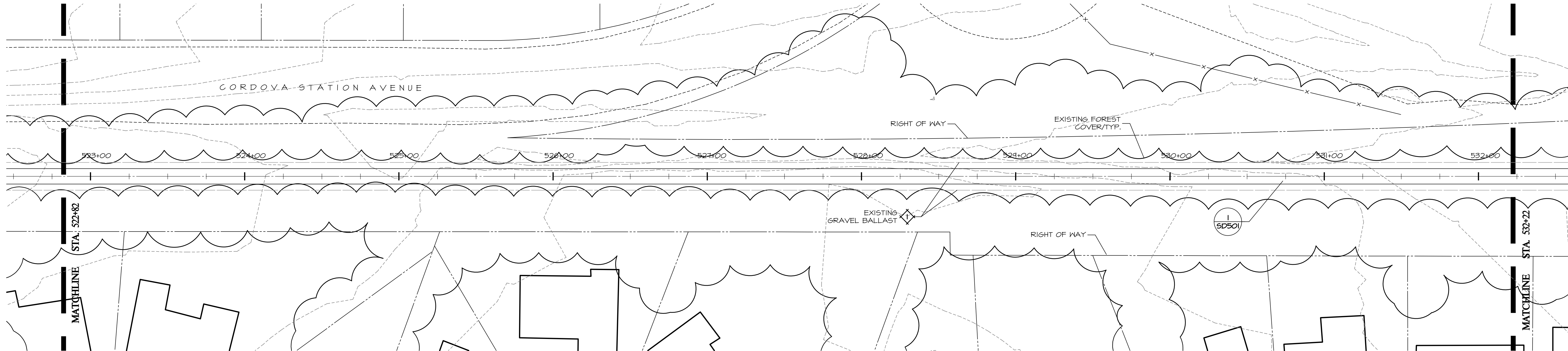
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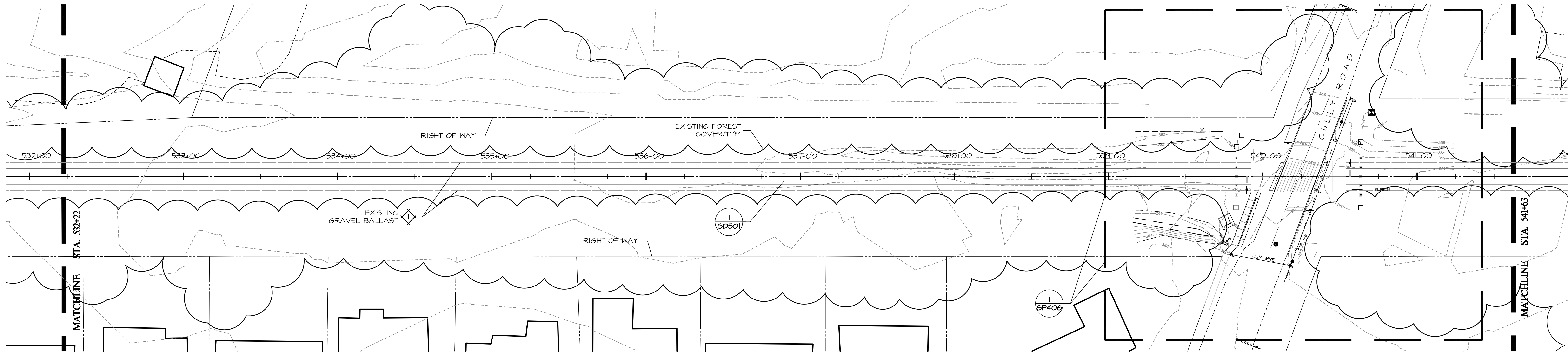
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SITE PLAN

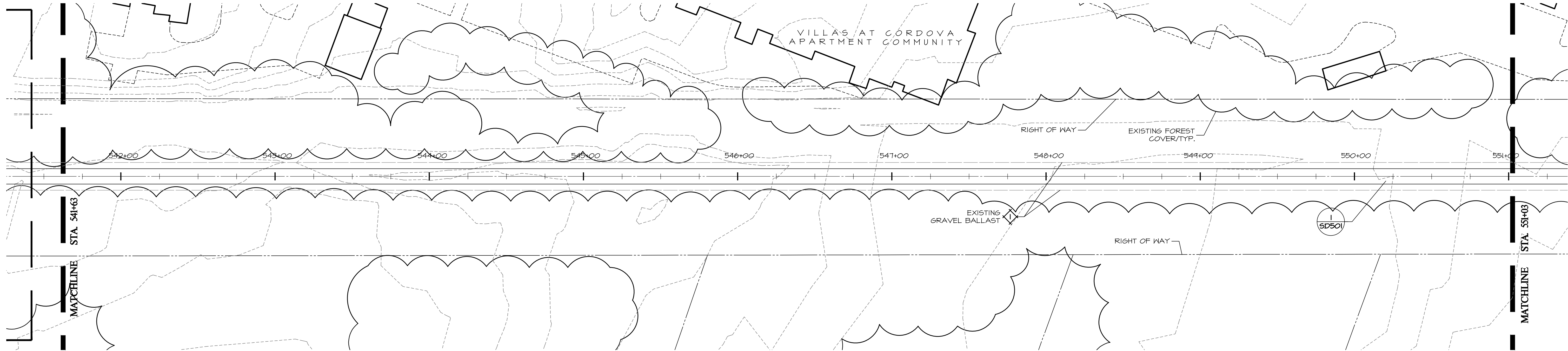
STA. 505+14 TO 522+82



20 Cordova Station - East



21 Cully Road



22 Cully Road - East

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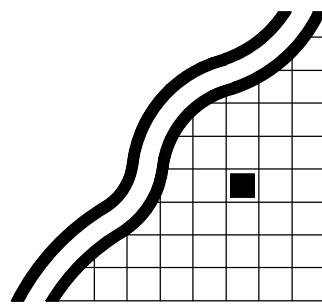
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SCALE 1" = 30'

SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
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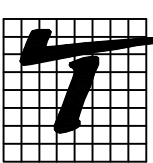


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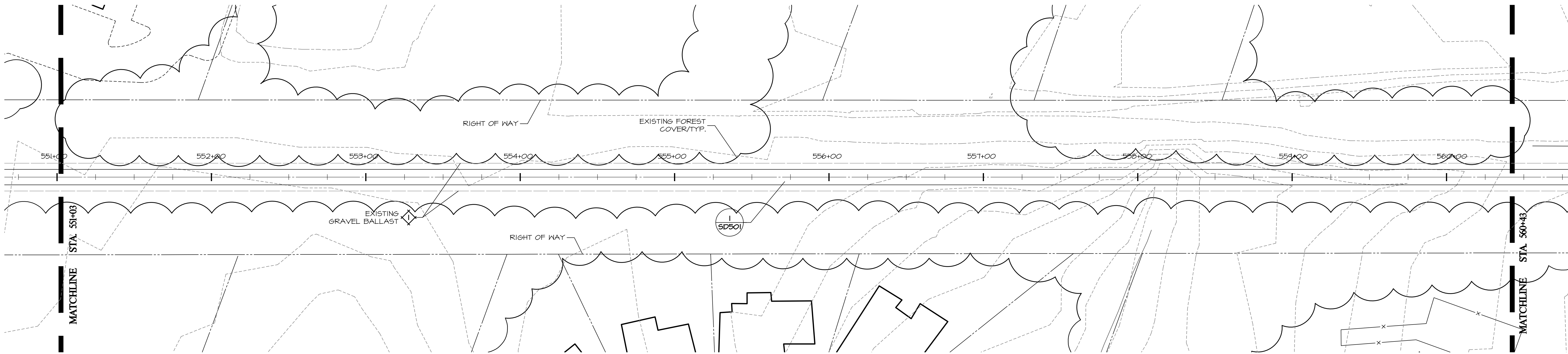
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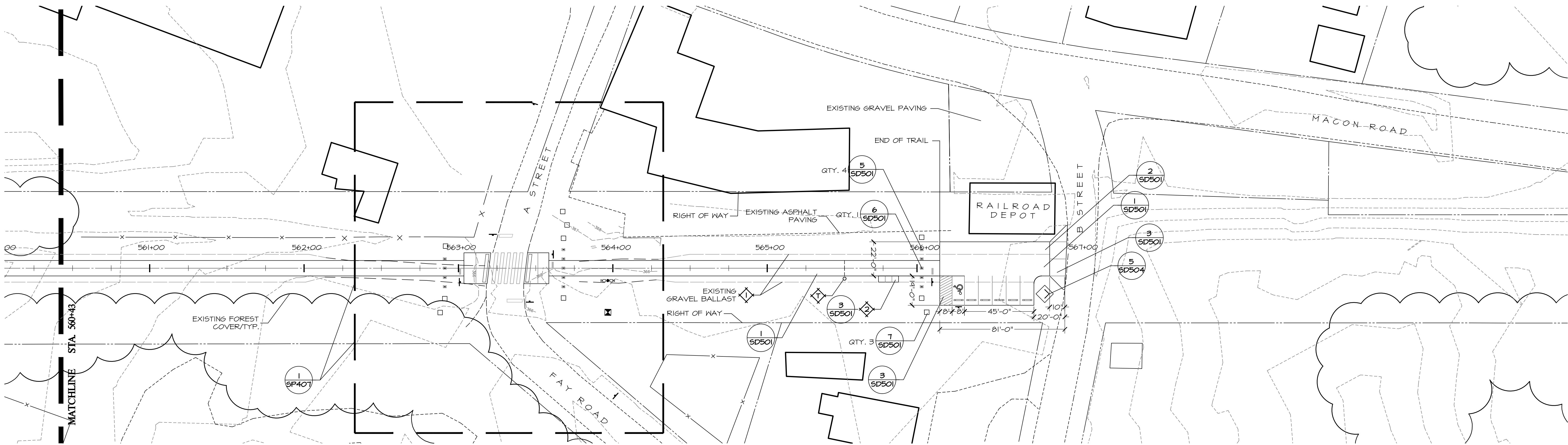
SHEET TITLE

SITE PLAN

STA. 522+82 TO 551+03



23 A Street - West



24 Cordova Depot

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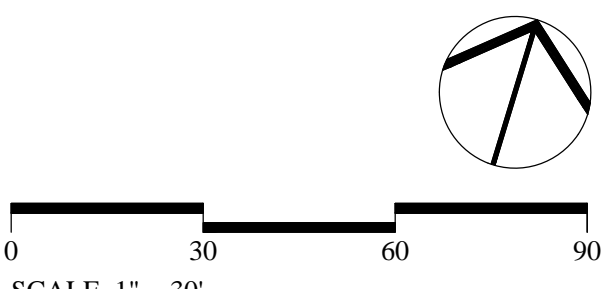
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5. INSTALL UNDERGROUND WIRELESS TRAIL COUNTER (3 LOCATIONS ON TRAIL). TRAIL COUNTER TO BE MODEL XSCM0004, ECO-COMBO MULTI PEDESTRIAN/CYCLES, 10' WIDE FOR MANHOLE WITH DIRECTION. EACH TRAIL COUNTER REQUIRES (1) MODEL 761 RAINBIRD MANHOLE MOUNTED FLUSH WITH GRADE. BY ECO-COUNTER, MONTREAL, QUEBEC, PHONE 866-518-4404 (OR APPROVED EQUAL). TRAIL COUNTER LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

EAST TRAILHEAD PARKING AREA NOTES

1. ALL ASPHALT AND CONCRETE PAVED AREAS SHALL HAVE POSITIVE DRAINAGE WITH NO PONDING. MAX. SLOPE IN ANY DIRECTION IS 1.8%.
2. INSTALL (6) PRECAST CONCRETE WHEELSTOPS IN PARKING LOT AS INDICATED. WHEELSTOP SHALL BE 2' CLEAR OF SOUTH EDGE OF PARKING STALL. SECURE EACH WHEELSTOP WITH #5 REBAR AT 18" DEPTH IN GROUND.
3. PARKING LOT SHALL BE STRIPED AS INDICATED WITH WHITE THERMOPLASTIC STRIPING PAINT. USE BLUE PAINT FOR ACCESSIBLE PARKING SPACE AND ACCESS AISLE.
4. INSTALL SIGN AT SOUTH EDGE OF ACCESSIBLE PARKING SPACE. SIGN SHALL INCLUDE "VAN ACCESSIBLE" DESIGNATION.
5. INSTALL 5' WIDE SOD BAND ADJACENT TO ASPHALT/CONCRETE DRIVE AND PARKING AREA. IN ADDITION, SOD ALL DISTURBED AREAS.
6. SOD TO BE TIPWAY 414 HYBRID BERMUDA GRASS. INSTALL SOD SOIL PAD FLUSH WITH ADJACENT PAVING OR LAWN.

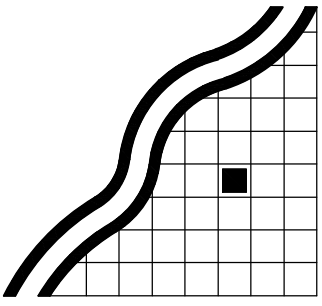


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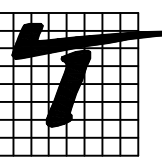


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SHEET NO.

SP109

SHEET TITLE

SITE PLAN

STA. 551+03 TO 567+00

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PAVEMENT MARKING

1. ALL PAVEMENT MARKING SHALL BE REFLECTIVE HOT THERMOPLASTIC OR PREFORMED PLASTICS.
2. THE CONTRACTOR SHALL INSTALL SIGNS AND MARKINGS AS SHOWN AND ACCORDING TO TDOT STANDARD SPECIFICATIONS.
3. REMOVE ALL EXISTING CONFLICTING PAVEMENT MARKINGS AND SIGNS.

KEY NOTES

- NOTE: ALL SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. SUBMIT GRAPHIC LAYOUT OF EACH SIGN FOR APPROVAL BY PROJECT ENGINEER, PRIOR TO ORDERING SIGNS.
- PEDESTRIAN CROSSING AHEAD (W11-15 WITH W16-9P, 100' FROM EDGE OF CROSSWALK STRIPING).
 - PEDESTRIAN CROSSING ON INTERSECTING STREET (W11-15 WITH W16-6P).
 - STOP HERE FOR PEDESTRIANS (RI-5b).
 - STOP HERE ON RED.
 - STOP (RI-1). WITH ADJACENT STOP BAR IN TRAIL. (12" x 48" WHITE THERMOPLASTIC STRIPING PAINT).
 - CROSSWALK STRIPING. 24" WIDE BY 20' LONG WHITE THERMOPLASTIC STRIPING PAINT. STRIPES ARE EVENLY SPACED, 24" APART.
 - RAISED 4" x 4" PAVEMENT MARKERS, MONO DIRECTIONAL, 1 COLOR LENS, WHITE COLOR.
 - SECURITY CAMERA BY OTHERS. COORDINATE LOCATION AND OBTAIN APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. ENSURE THAT POLE COLOR IS EQUIVALENT TO SN 1062 ROCK BOTTOM BY SHERWIN WILLIAMS.
 - ELECTRIC METER FOR SECURITY CAMERAS BY OTHERS. COORDINATE LOCATION AND OBTAIN APPROVAL BY LANDSCAPE ARCHITECT AND OWNER.
 - INSTALL UNDERGROUND WIRELESS TRAIL COUNTER (3 LOCATIONS ON TRAIL). TRAIL COUNTER TO BE MODEL XSCM0004, ECO-COMBO MULTI PEDESTRIAN/CYCLES, 10' WIDE FOR MANHOLE WITH DIRECTION. EACH TRAIL COUNTER REQUIRES (1) MODEL T61 RAINBIRD MANHOLE MOUNTED FLUSH WITH GRADE, BY ECO-COUNTER, MONTREAL, QUEBEC, PHONE 866-518-4404 (OR APPROVED EQUAL). TRAIL COUNTER LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

DEMOLITION KEY NOTES

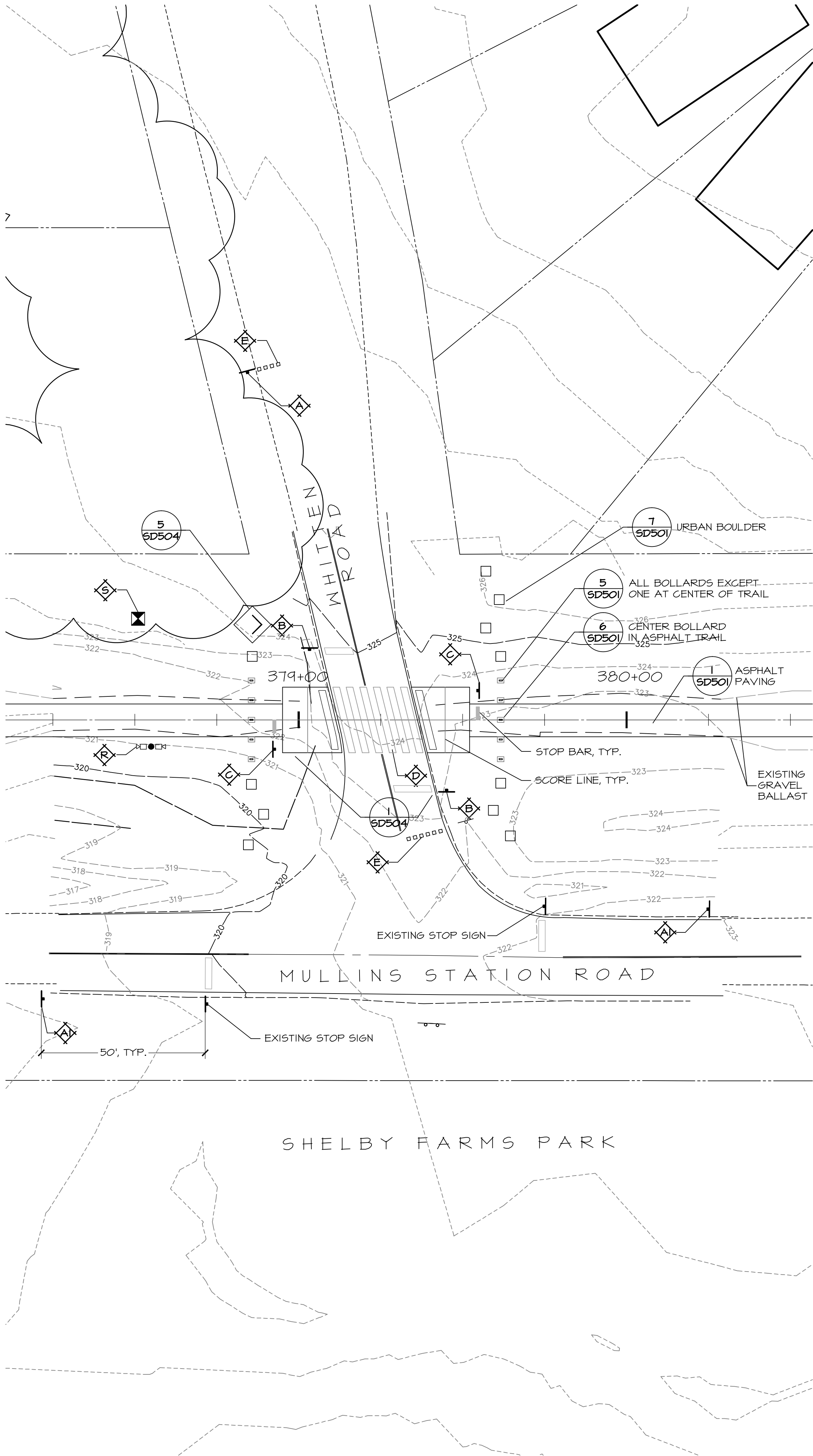
- REMOVE GRAVEL BALLAST TO ACCOMMODATE NEW WORK.
- REMOVE ASPHALT PAVING.
- REMOVE CONCRETE PAVING.
- REMOVE CONCRETE CURB AND GUTTER.

GRADING AND DRAINAGE NOTES

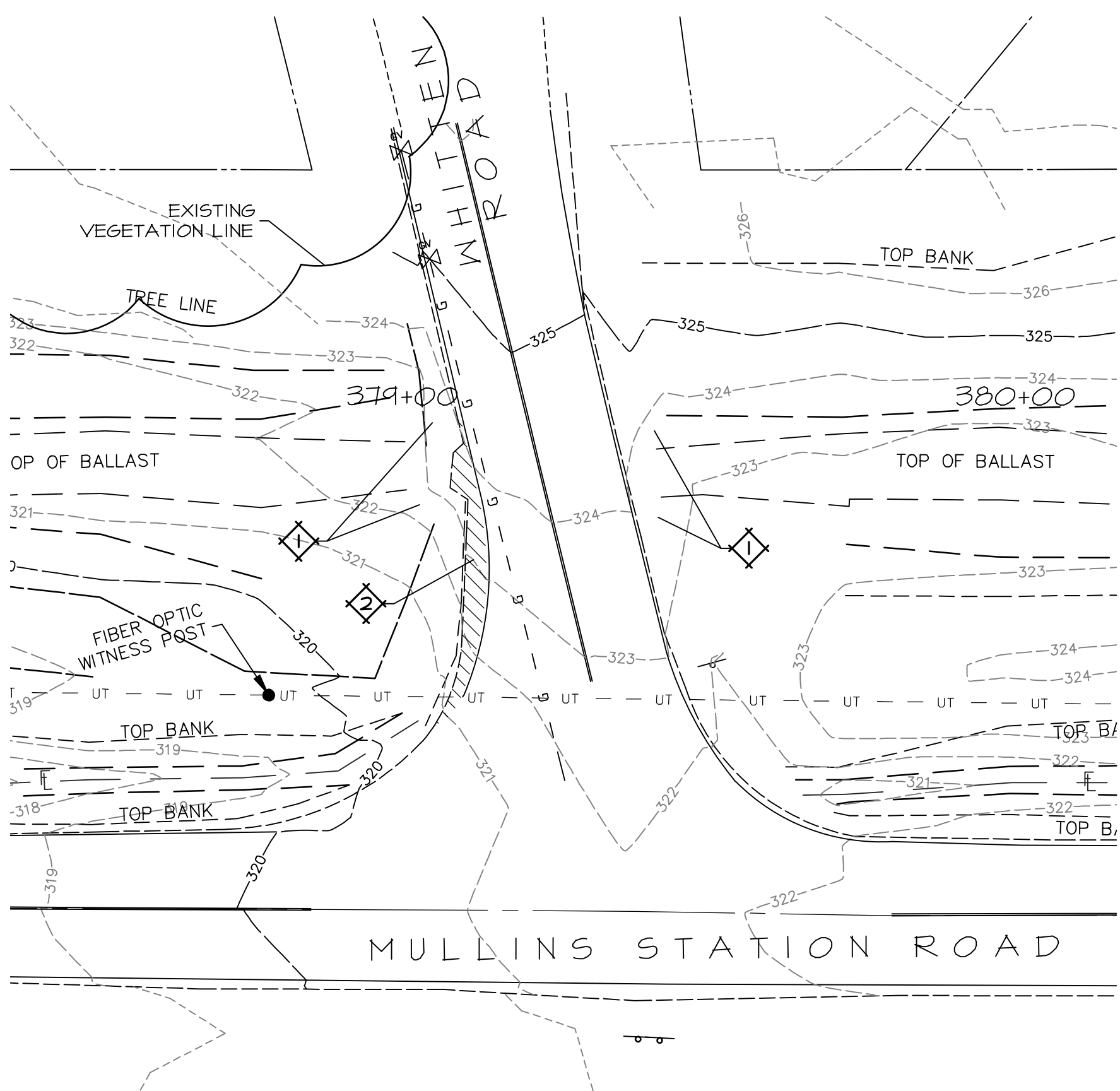
1. TRAIL SHALL GENERALLY FOLLOW PROFILE OF EXISTING GRAVEL BALLAST. TRAIL SHALL NOT INTERFERE WITH EXISTING DRAINAGE PATTERNS OR CAUSE PONDING ON OR ADJACENT TO THE TRAIL.
2. CONCRETE APRON AND SIDEWALKS SHALL HAVE MAXIMUM CROSS SLOPE OF 1.5%.
3. ASPHALT TRAIL SHALL HAVE MAXIMUM LONGITUDINAL SLOPE OF 2.0%. MAXIMUM CROSS SLOPE SHALL BE 1.5% PER DETAIL 1A/SD501.
4. ALL WORK SHALL COMPLY WITH THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (BY THE UNITED STATES ACCESS BOARD).

PLANTING NOTES

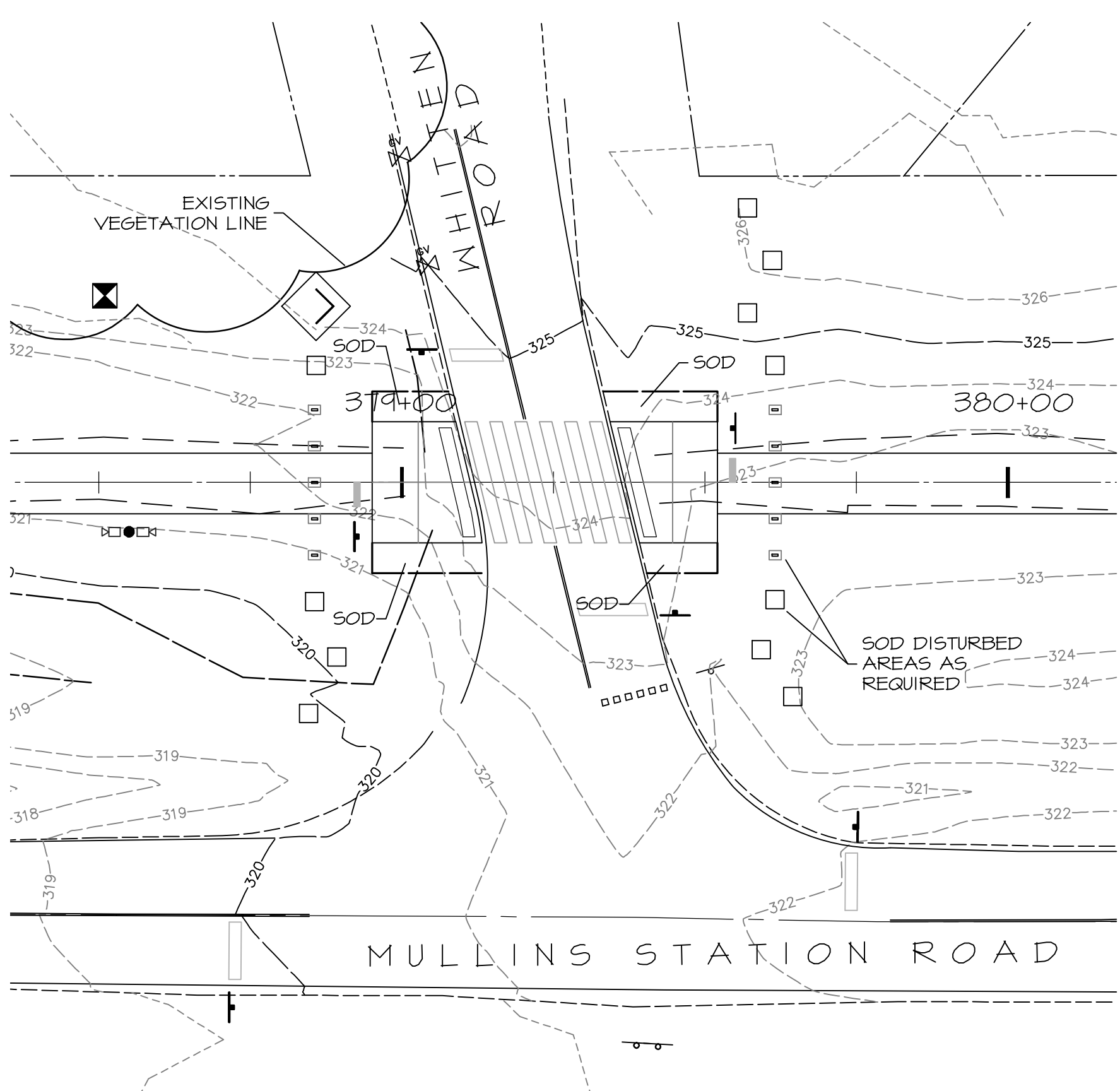
1. SOD TO BE TIFMAY 419 HYBRID BERMUDA GRASS. INSTALL SOD SOIL PAD FLUSH WITH ADJACENT PAVING OR LAWN.
2. LANDSCAPE ARCHITECT SHALL APPROVE FINE GRADING PRIOR TO SOD INSTALLATION.



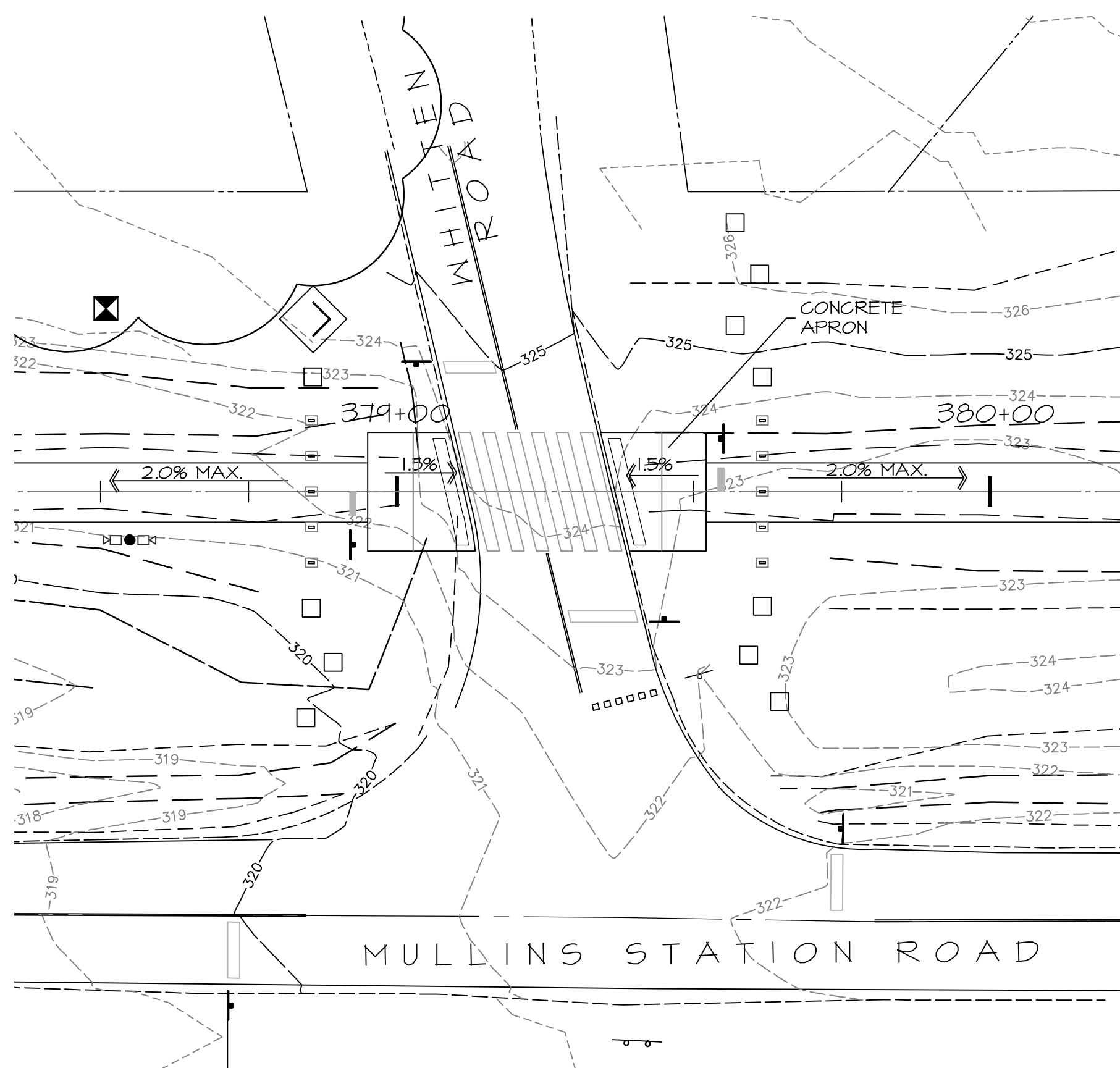
1 SITE LAYOUT PLAN
SCALE: 1" = 20'



2 EXISTING CONDITIONS AND DEMOLITION
SCALE: 1" = 20'



4 PLANTING PLAN
SCALE: 1" = 20'



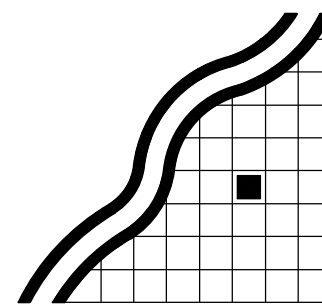
3 GRADING PLAN
SCALE: 1" = 20'

SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



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PROJECT PHASE

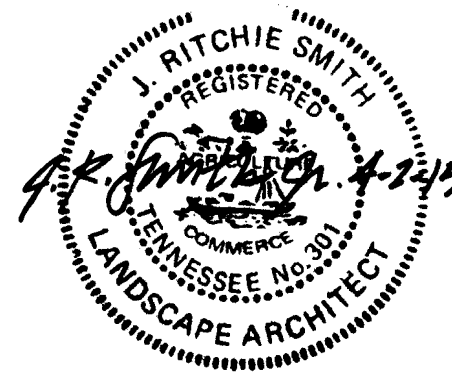
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SEAL.



DRAWN BY NH/RSA CHECKED BY RS/RSA

SHEET NO.

SP401

SHEET TITLE

SITE AREA PLAN -
WHITTEN ROAD

1. CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL LAYOUT OF TRAILS, APRONS, WALKS, CURBS AND OTHER FEATURES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
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A PEDESTRIAN CROSSING AHEAD (W11-5 WITH W16-6P, 100' FROM EDGE OF CROSSWALK STRIPING).

A PEDESTRIAN CROSSING ON INTERSECTING STREET (W11-5 WITH W16-6P).

B STOP HERE FOR PEDESTRIANS (R1-5b).

B STOP HERE ON RED.

C STOP (R1-4). WITH ADJACENT STOP BAR IN TRAIL. (12" x 48" WHITE THERMOPLASTIC STRIPING PAINT).

D CROSSWALK STRIPING, 24" WIDE BY 20' LONG WHITE THERMOPLASTIC STRIPING PAINT. STRIPES ARE EVENLY SPACED, 24" APART.

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R SECURITY CAMERA BY OTHERS. COORDINATE LOCATION AND OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT AND OWNER. ENSURE THAT POLE COLOR IS EQUIVALENT TO 5N 1062 ROCK BOTTOM BY SHERWIN WILLIAMS.

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T INSTALL UNDERGROUND WIRELESS TRAIL COUNTER (3 LOCATIONS ON TRAIL). TRAIL COUNTER TO BE MODEL X6C00004, ECO-COMBO MULTI PEDESTRIAN/CYCLES, 10" WIDE FOR MANHOLE WITH DIRECTION. EACH TRAIL COUNTER REQUIRES (1) MODEL 761 RAISED MANHOLE MANHOLE FLUSH WITH GRADE. BY ECO-COUNTER, MONTREAL, QUEBEC, PHONE 866-518-4404 (OR APPROVED EQUAL). TRAIL COUNTER LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

U ADD 30 LF OF 10" RCP DRAIN PIPE TO EXISTING HEADWALL. INSTALL PRECAST CONCRETE HEADWALL AT WEST END OF NEW PIPE. ASSURE POSITIVE DRAINAGE. EXISTING HEADWALL MAY BE COVERED WITH COMPACTED SOIL. SOD ALL DISTURBED AREAS AND AS INDICATED.

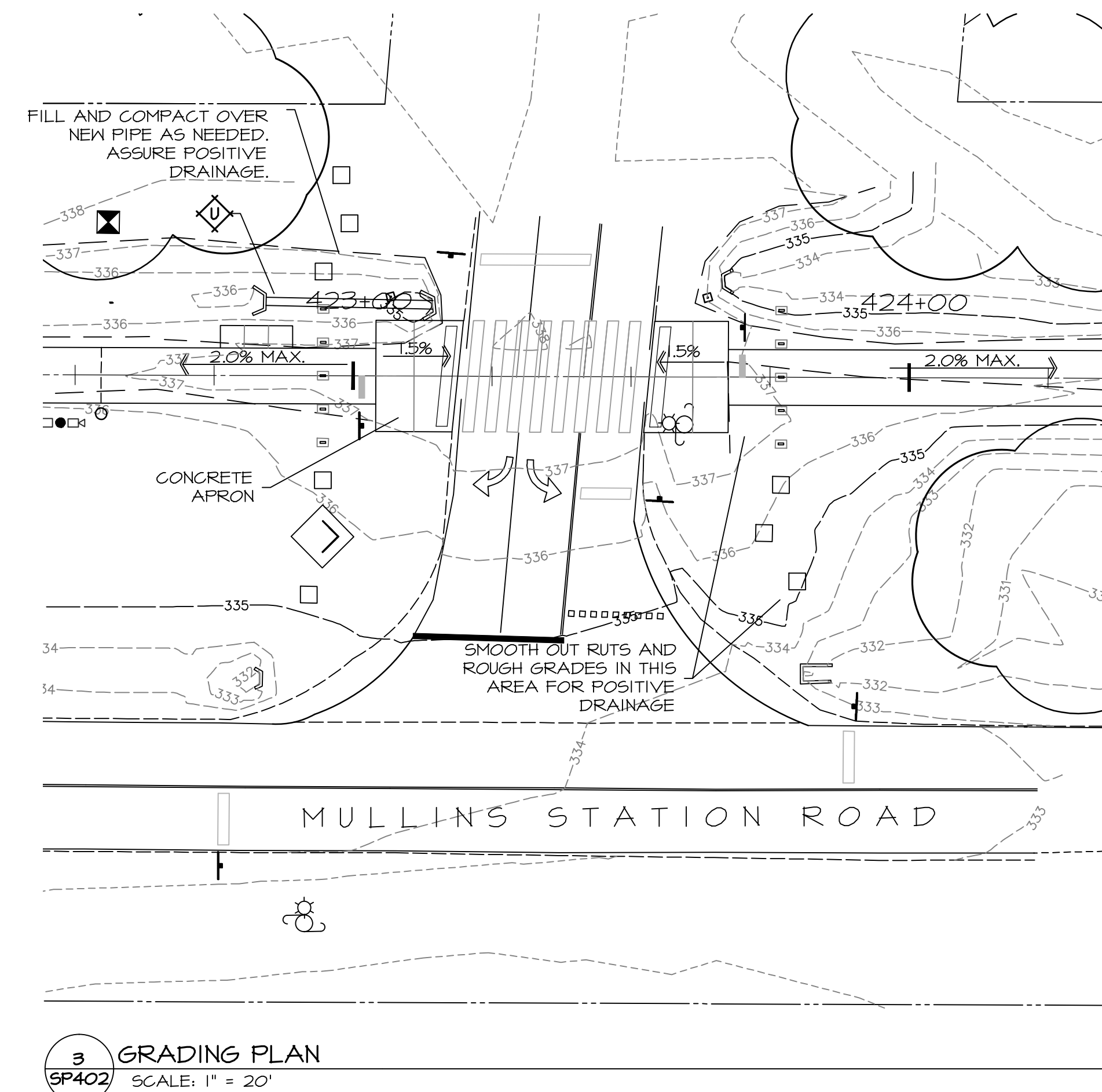
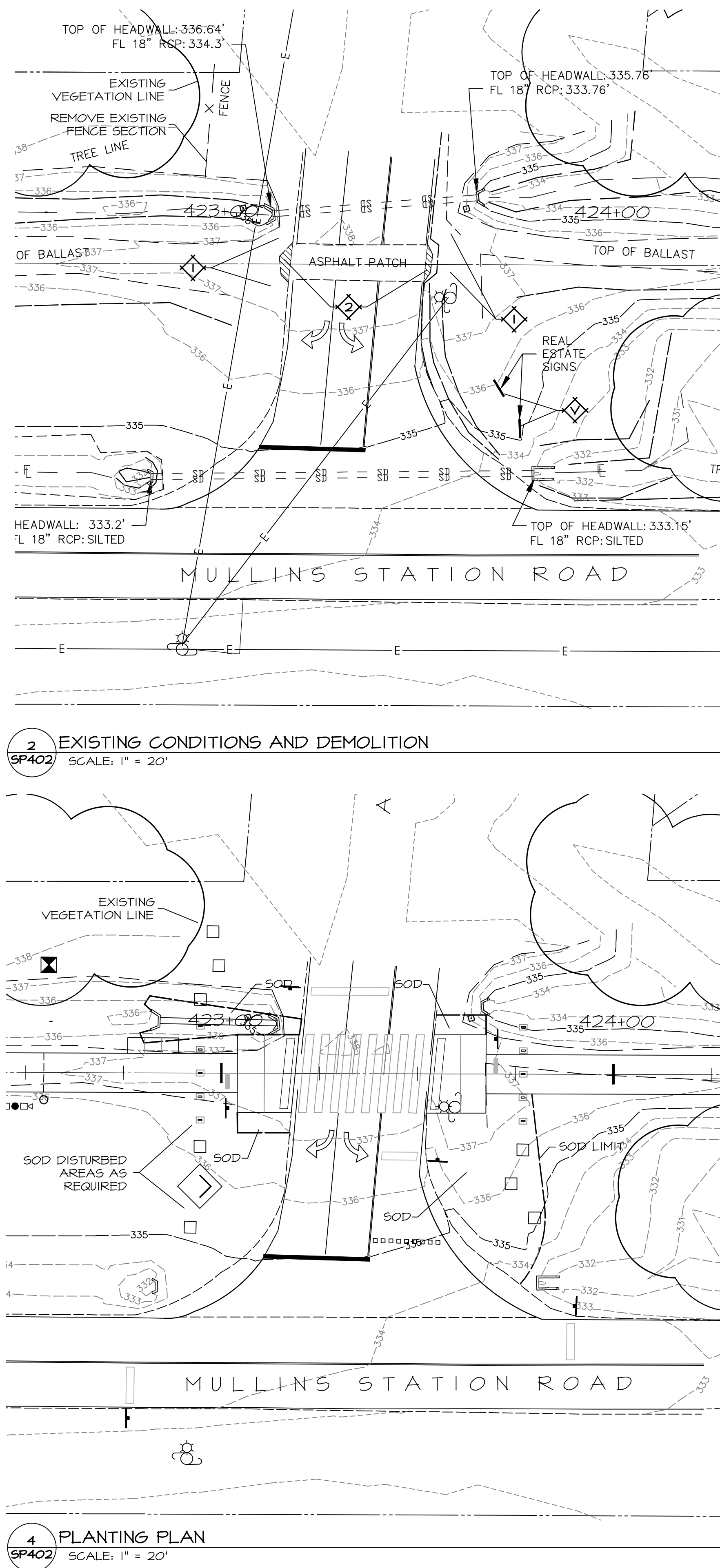
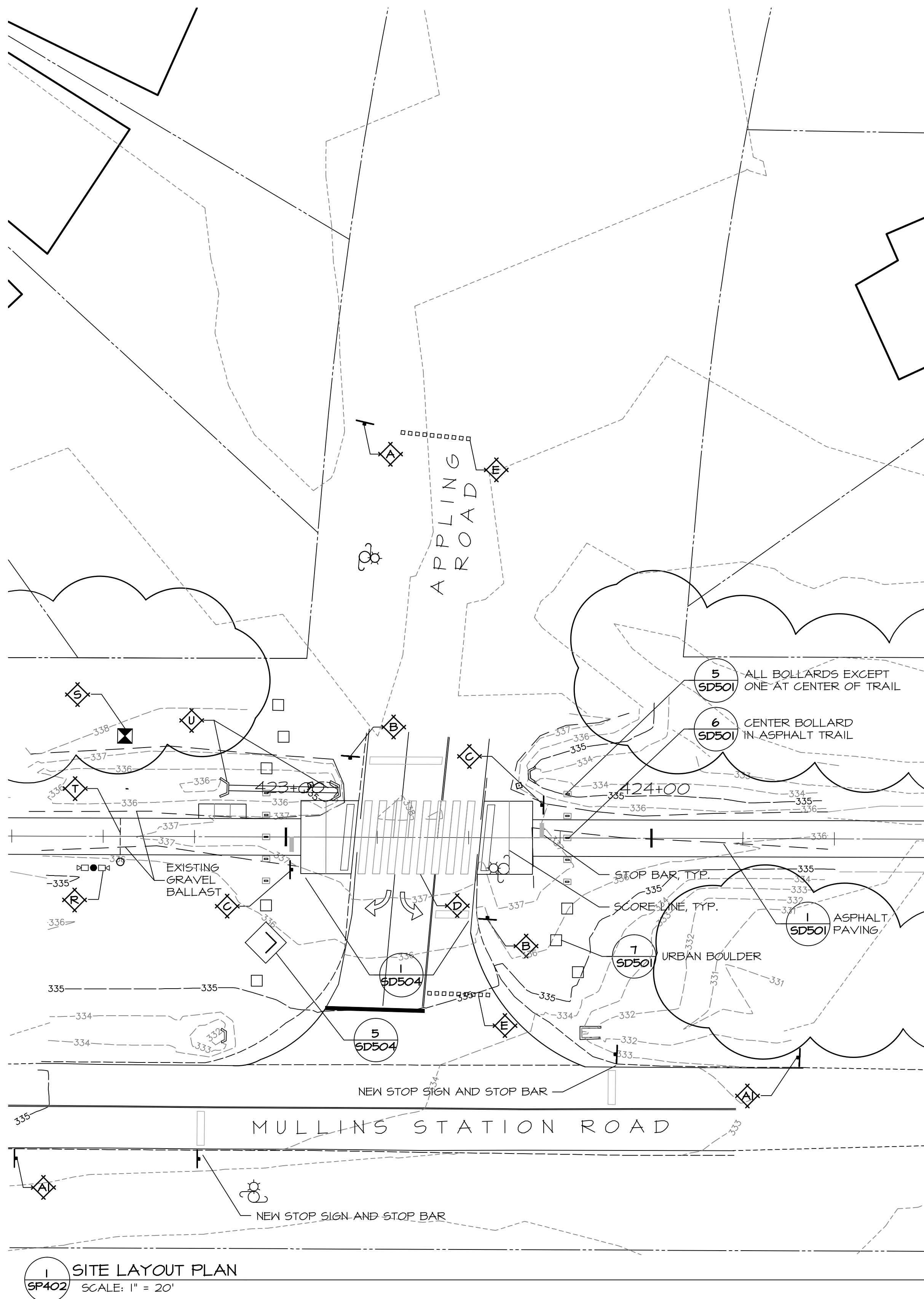
V REMOVE EXISTING REAL ESTATE SIGNS. COORDINATE REMOVAL WITH OWNERS OF SIGNS.

W REMOVE POST AND FOOTING.

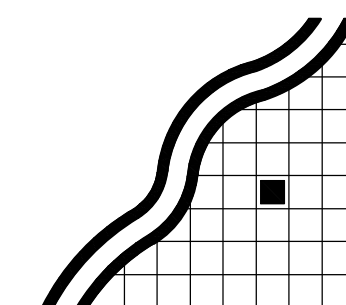
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3. REMOVE CONCRETE PAVING.
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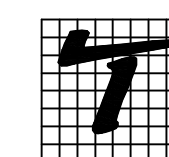


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PROJECT PHASE

DATE OF ISSUE

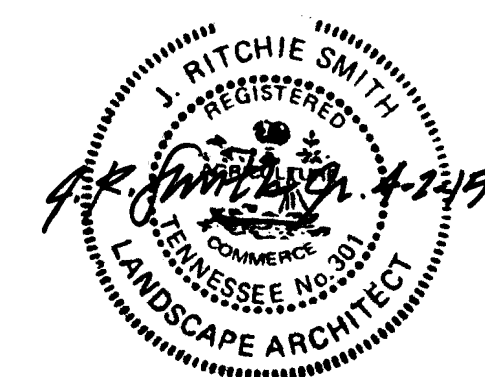
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SEAL



DRAWN BY **NH/RSA** CHECKED BY **RS/RSA**

SHEET NO.

SP402

SHEET TITLE

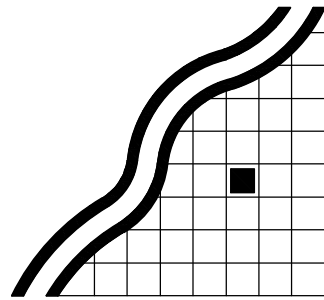
SITE AREA PLAN - APPLING ROAD

SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
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SEAL



DRAWN BY NH/RSA CHECKED BY RS/RSA

SHEET NO.

SP403

SHEET TITLE

SITE AREA PLAN -
RALEIGH-LAGRANGE ROAD

LAYOUT AND APPROVAL PROCEDURE

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- NEW CURBS AND PAVEMENT SHALL ALIGN AND MEET GRADE OF EXISTING CURBS OR PAVEMENT.

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- ALL PAVEMENT MARKING SHALL BE REFLECTIVE HOT THERMOPLASTIC OR PREFORMED PLASTICS.
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KEY NOTES

NOTE: ALL SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. SUBMIT GRAPHIC LAYOUT OF EACH SIGN FOR APPROVAL BY PROJECT ENGINEER, PRIOR TO ORDERING SIGNS.

- PEDESTRIAN CROSSING AHEAD (W11-15 WITH W16-9P, 100' FROM EDGE OF CROSSWALK STRIPING).
- PEDESTRIAN CROSSING ON INTERSECTING STREET (W11-15 WITH W16-6P).
- STOP HERE FOR PEDESTRIANS (R1-56).
- STOP HERE ON RED.
- STOP (R1-1), WITH ADJACENT STOP BAR IN TRAIL. (12" x 48" WHITE THERMOPLASTIC STRIPING PAINT).
- CROSSWALK STRIPING, 24" WIDE BY 20' LONG WHITE THERMOPLASTIC STRIPING PAINT. STRIPES ARE EVENLY SPACED, 24" APART.
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- REMOVE EXISTING POST AND FOOTING

DEMOLITION KEY NOTES

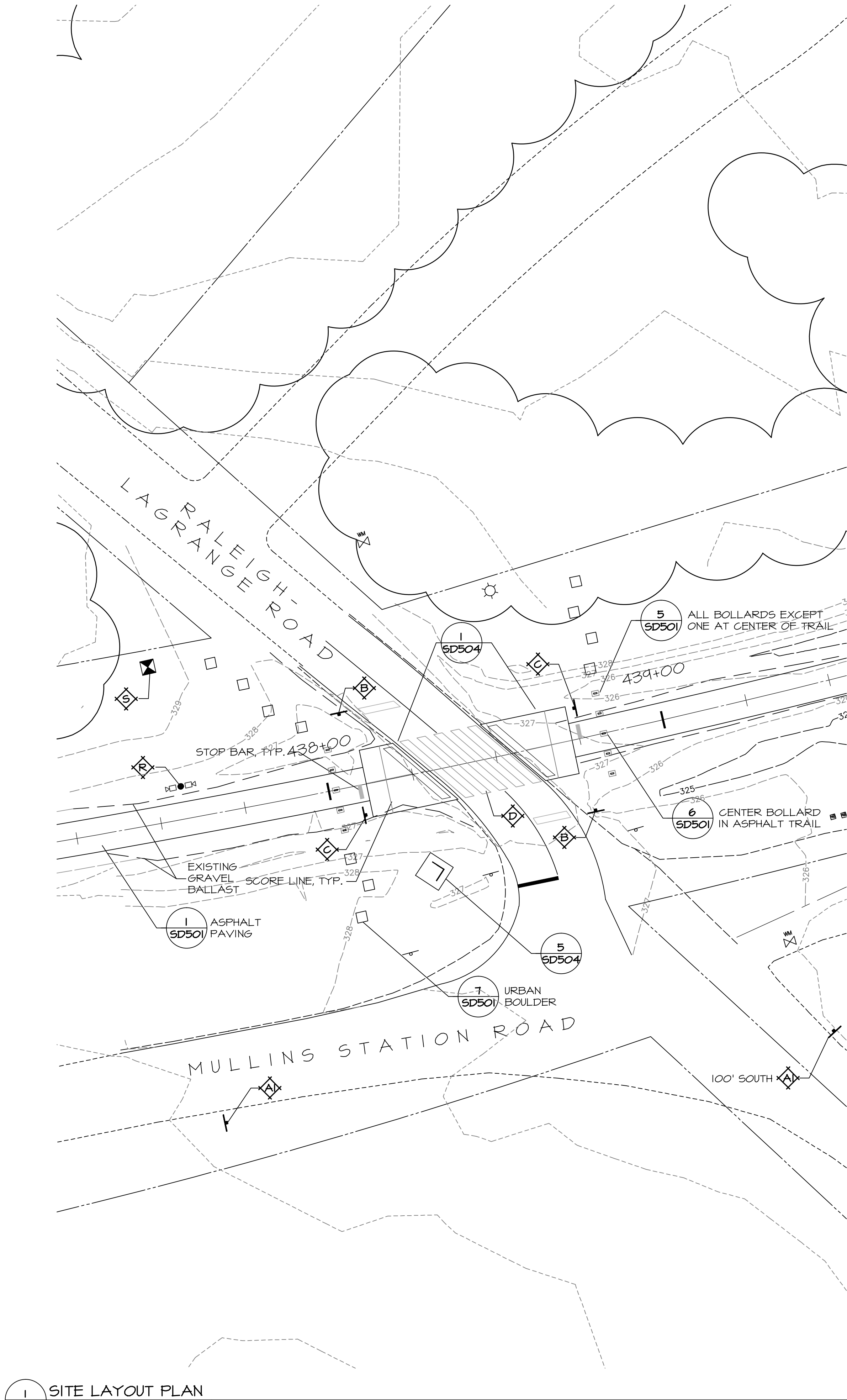
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GRADING AND DRAINAGE NOTES

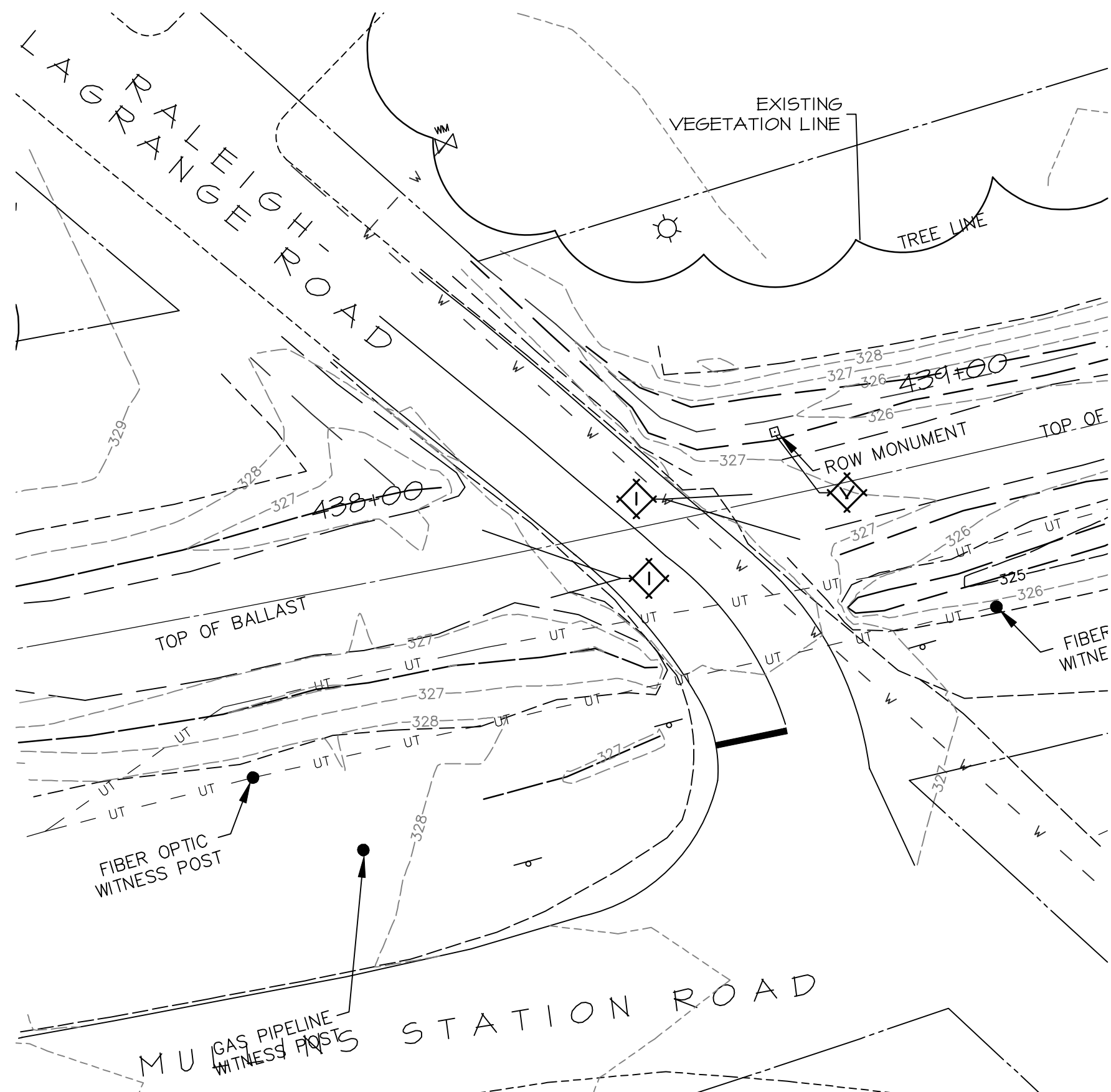
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PLANTING NOTES

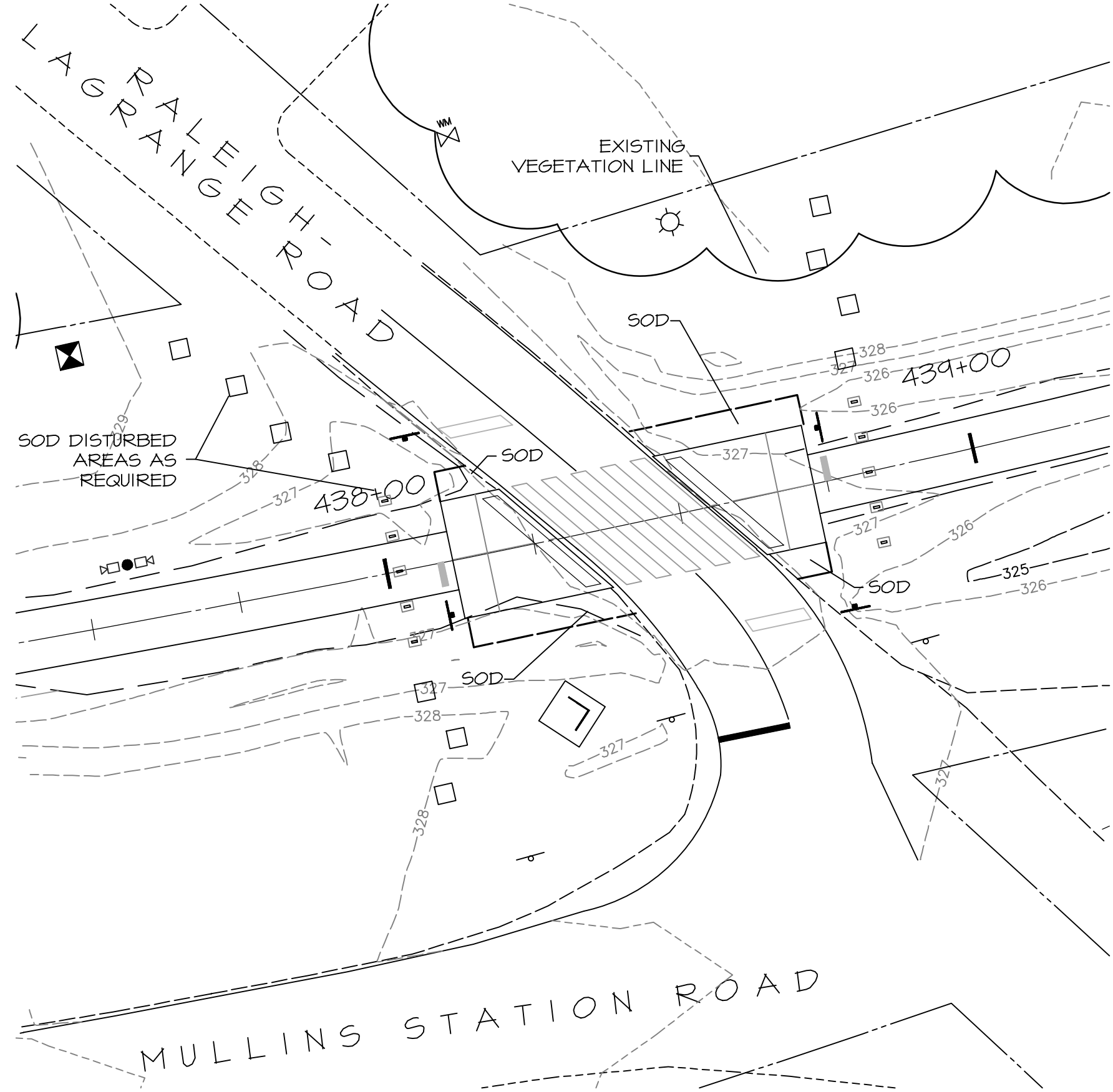
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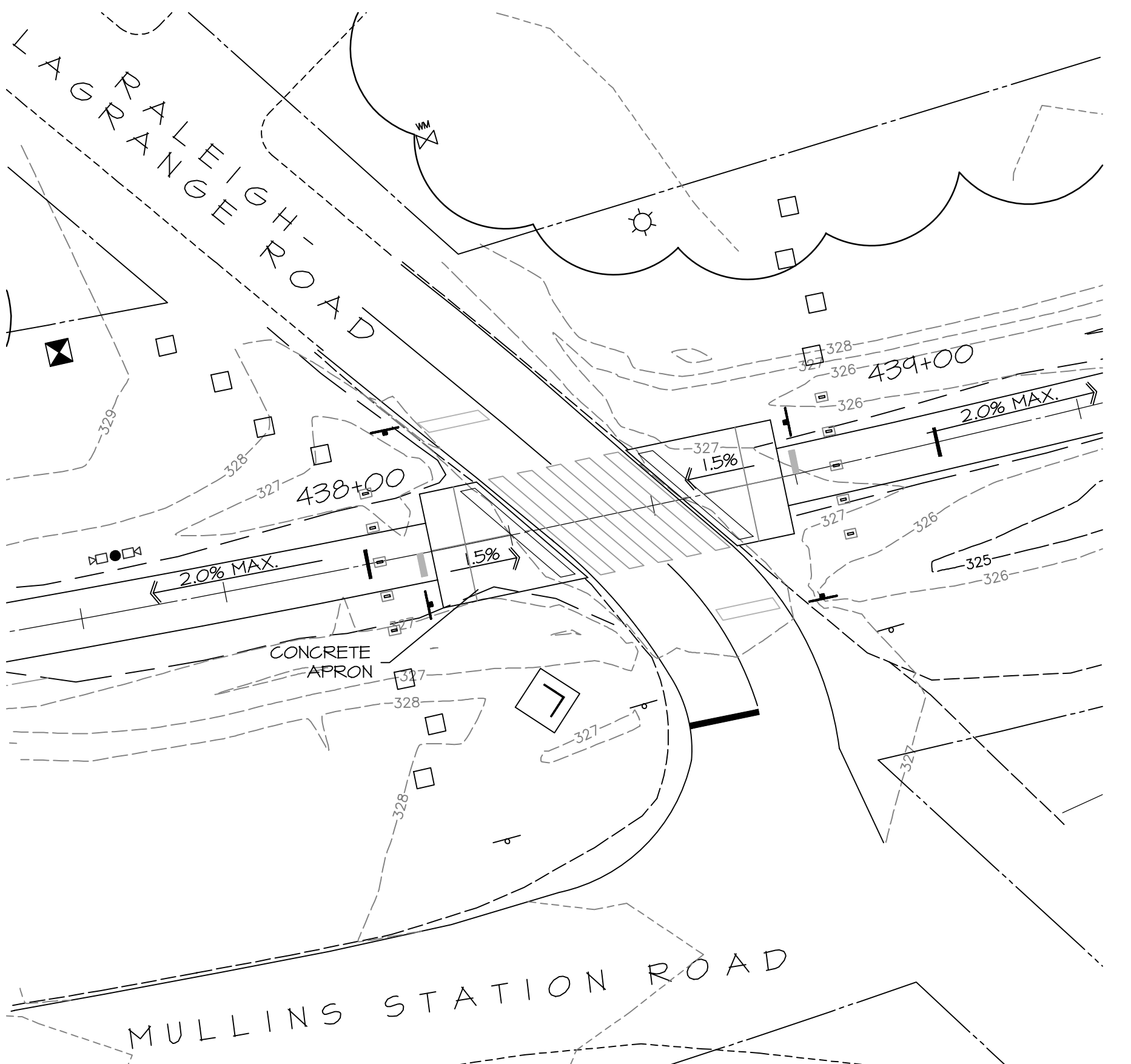
1 SITE LAYOUT PLAN
SCALE: 1" = 20'



2 EXISTING CONDITIONS AND DEMOLITION
SCALE: 1" = 20'

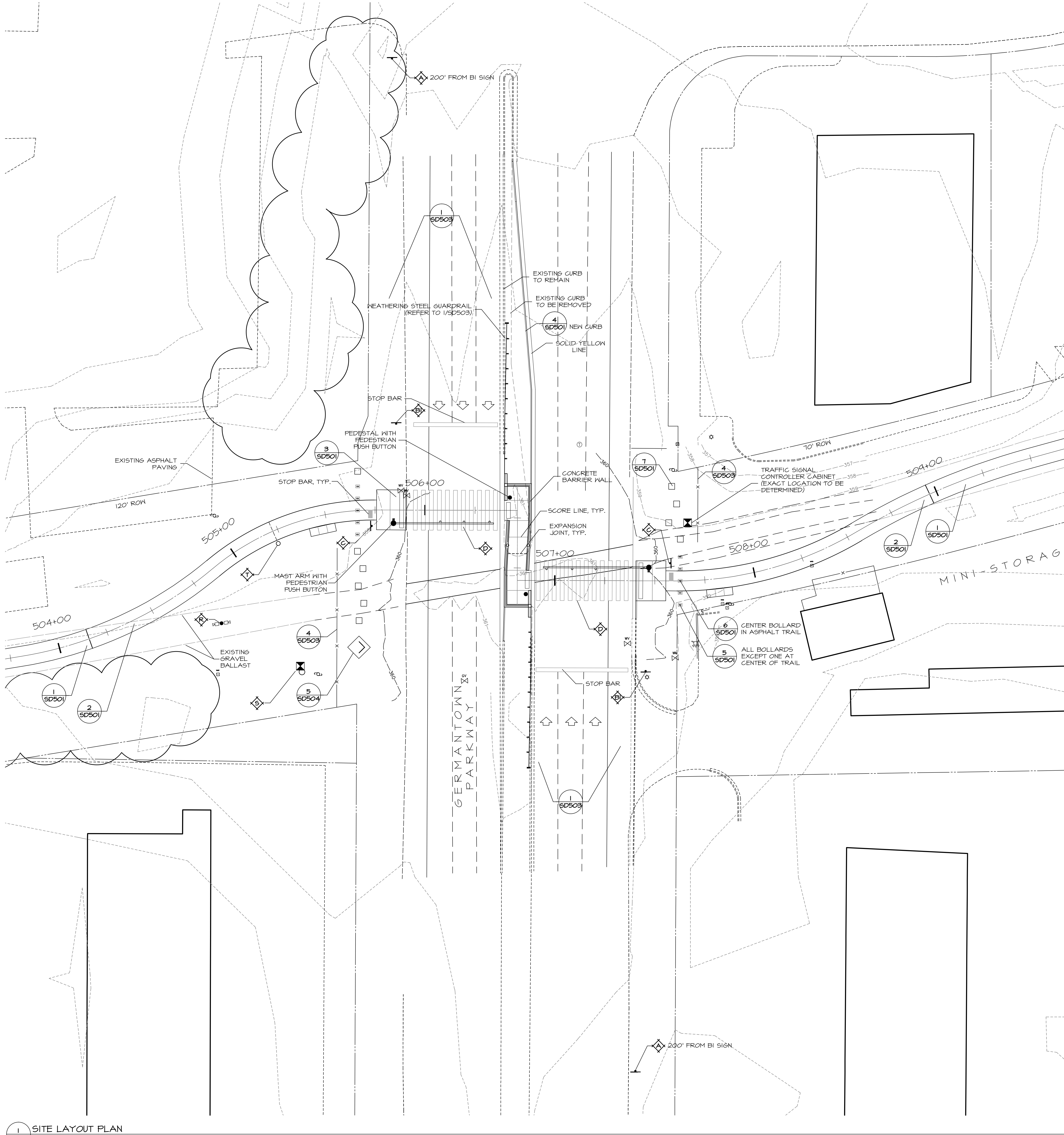


4 PLANTING PLAN
SCALE: 1" = 20'



3 GRADING PLAN
SCALE: 1" = 20'

\\gpcsa\mntn\gpcsa\Office Files_Webstation_2\Projects\Terra Tech\Shelby Farms Greenline-East\Fin Sheets\SP01-SP404_Site Area Plan_Germantown.dwg, 4/2/2015 12:25:40 PM, 10:00 AM, 2015



1 SITE LAYOUT PLAN
SCALE: 1" = 20'

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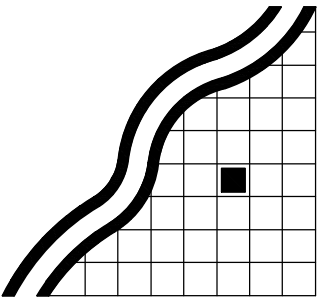
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SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT

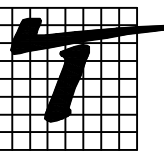


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FINAL DESIGN

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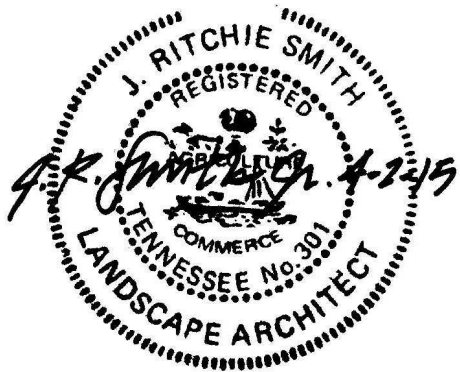
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SEAL



DRAWN BY **NH/RSA** CHECKED BY **RS/RSA**

SHEET NO.

SP404

SHEET TITLE

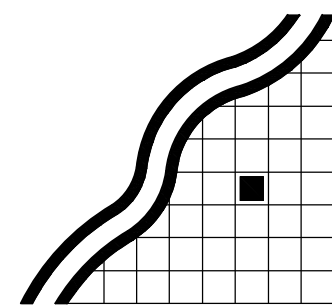
**SITE AREA PLAN -
GERMANTOWN PARKWAY**

SHELBY FARMS
GREENLINE -
EAST EXTENSION

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



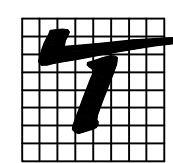
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TELEPHONE 901-794-9815 • FAX 901-794-9817

DEMOLITION KEY NOTES

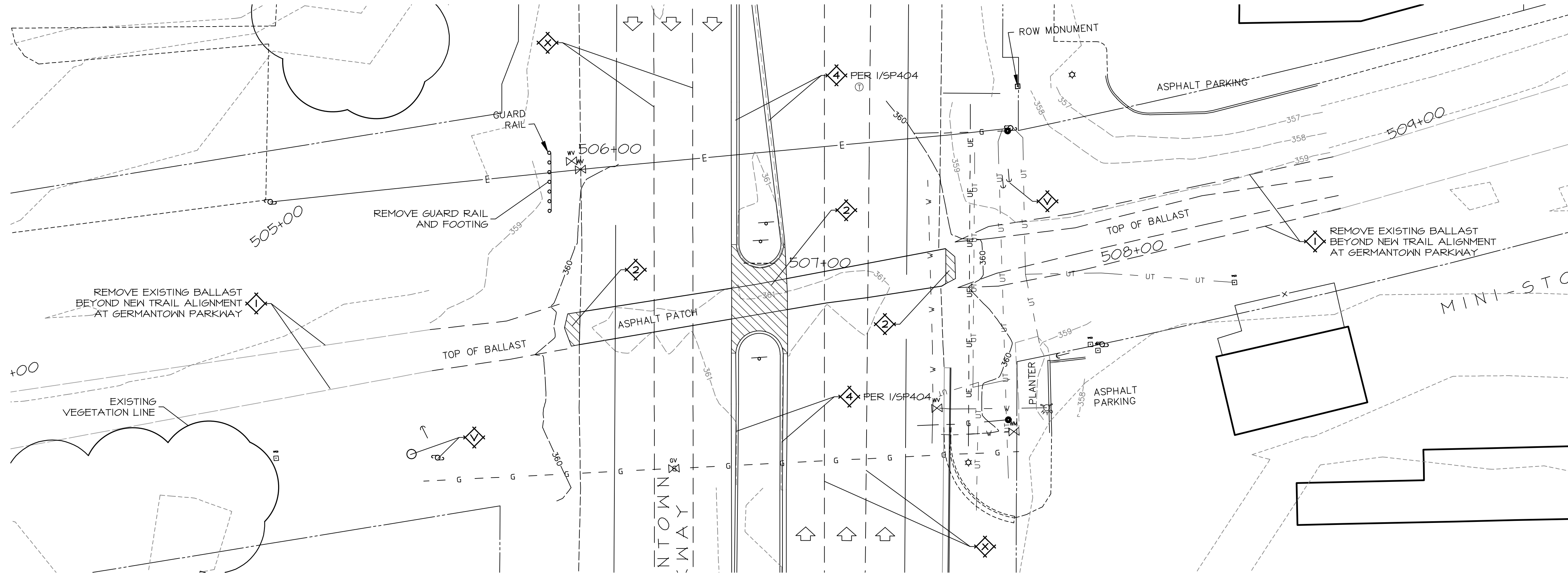
1. REMOVE GRAVEL BALLAST TO ACCOMMODATE NEW WORK.
2. REMOVE ASPHALT PAVING.
3. REMOVE CONCRETE PAVING.
4. REMOVE CONCRETE CURB AND GUTTER.
5. REMOVE EXISTING POST AND FOOTING.
6. REMOVE EXISTING BALLAST BEYOND NEW TRAIL ALIGNMENT AT GERMANTOWN PARKWAY.

GRADING AND DRAINAGE NOTES

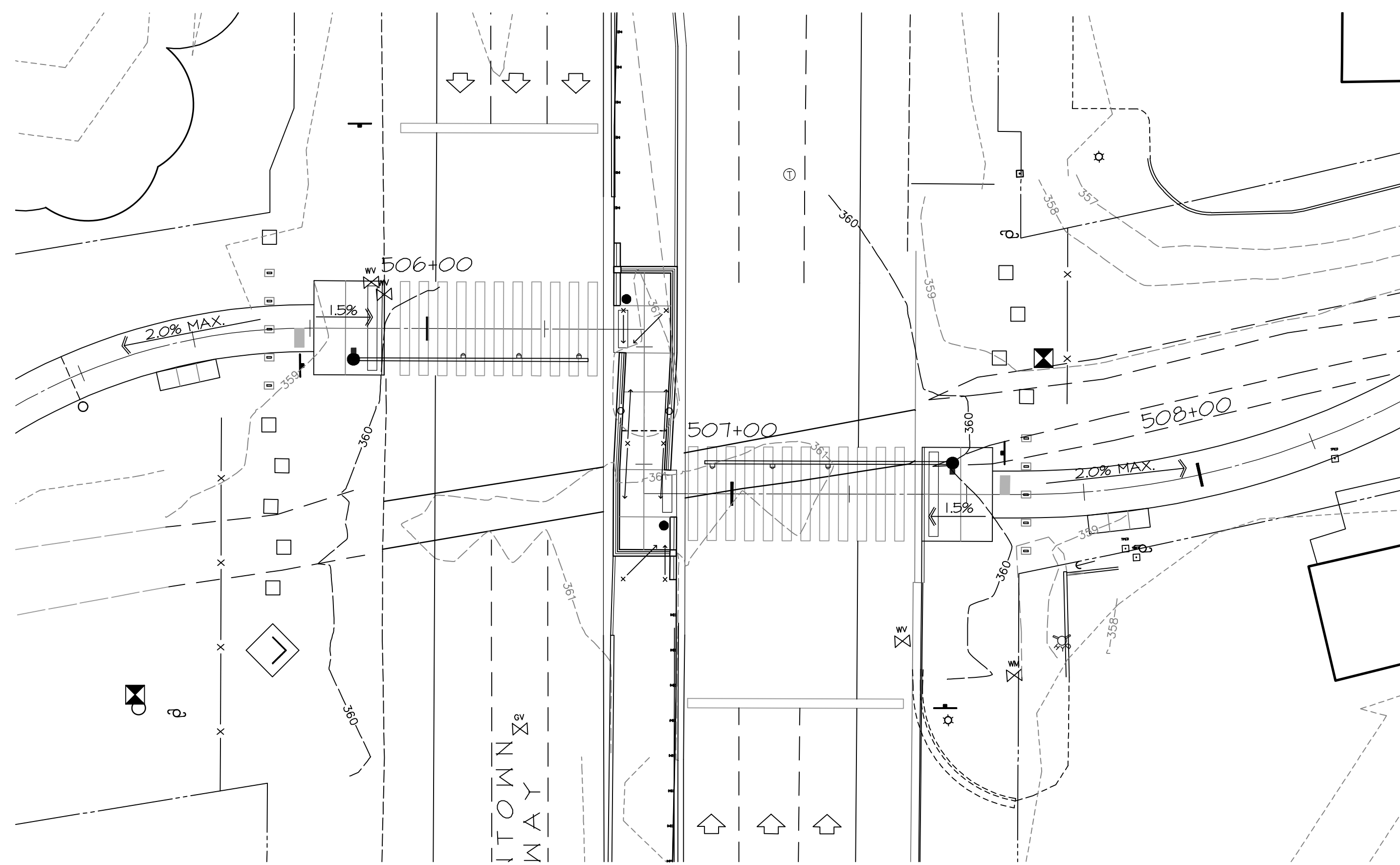
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4. ALL WORK SHALL COMPLY WITH ALL WORK SHALL COMPLY WITH THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (BY THE UNITED STATES ACCESS BOARD).

PLANTING NOTES

1. SOD TO BE TIFWAY 419 HYBRID BERMUDA GRASS. INSTALL SOD SOIL PAD FLUSH WITH ADJACENT PAVING OR LAWN.
2. LANDSCAPE ARCHITECT SHALL APPROVE FINE GRADING PRIOR TO SOD INSTALLATION.



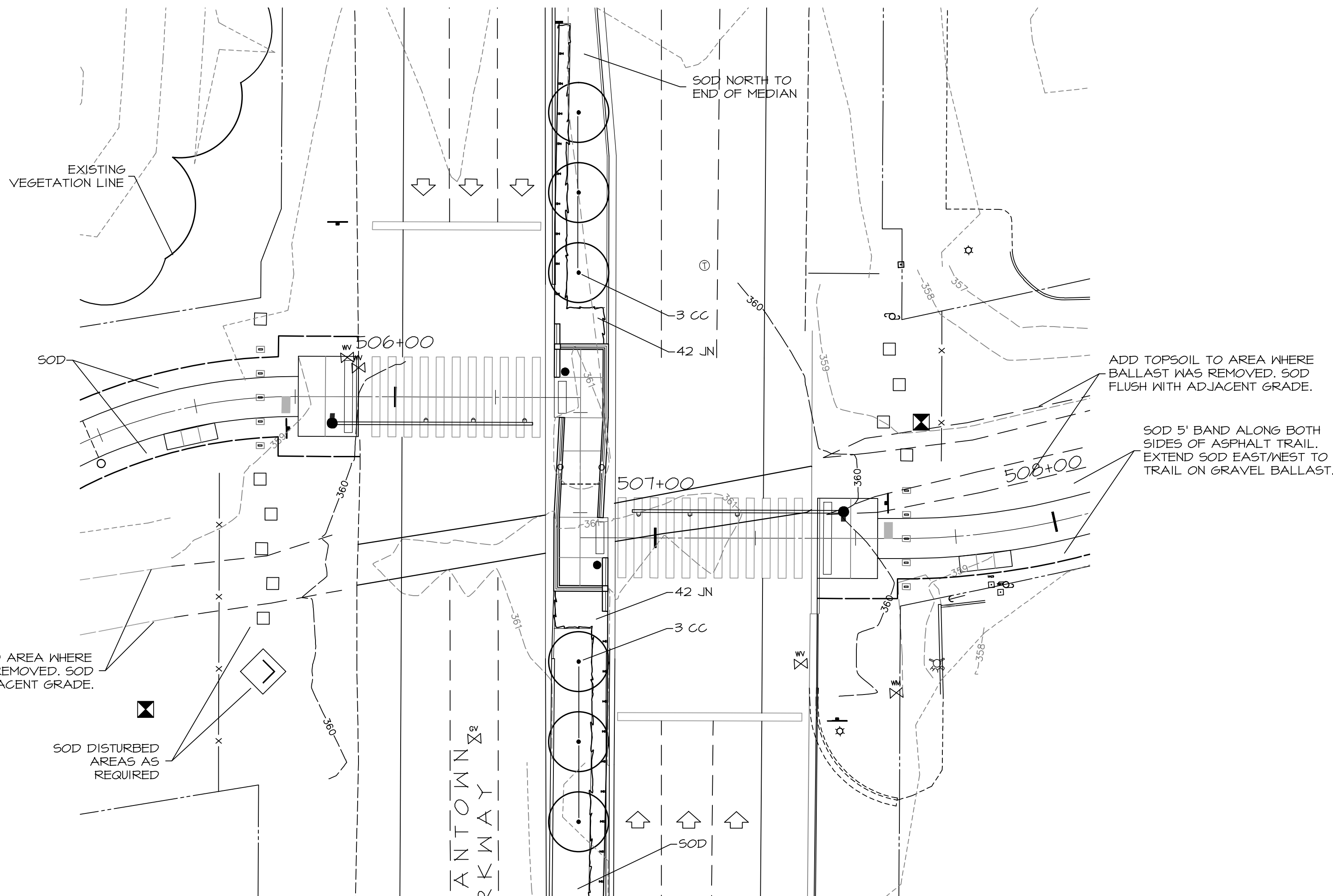
1 EXISTING CONDITIONS AND DEMOLITION
SCALE: 1" = 20'



NOTES

1. REFUSE MEDIAN SHALL HAVE POSITIVE DRAINAGE AS INDICATED BY DRAIN ARROWS. MAXIMUM SLOPE IN ANY DIRECTION IS 1.5%. LANDSCAPE ARCHITECT SHALL APPROVE GRADE STAKES AND DRAINAGE PATTERN PRIOR TO CONSTRUCTION.

2 GRADING PLAN
SCALE: 1" = 20'



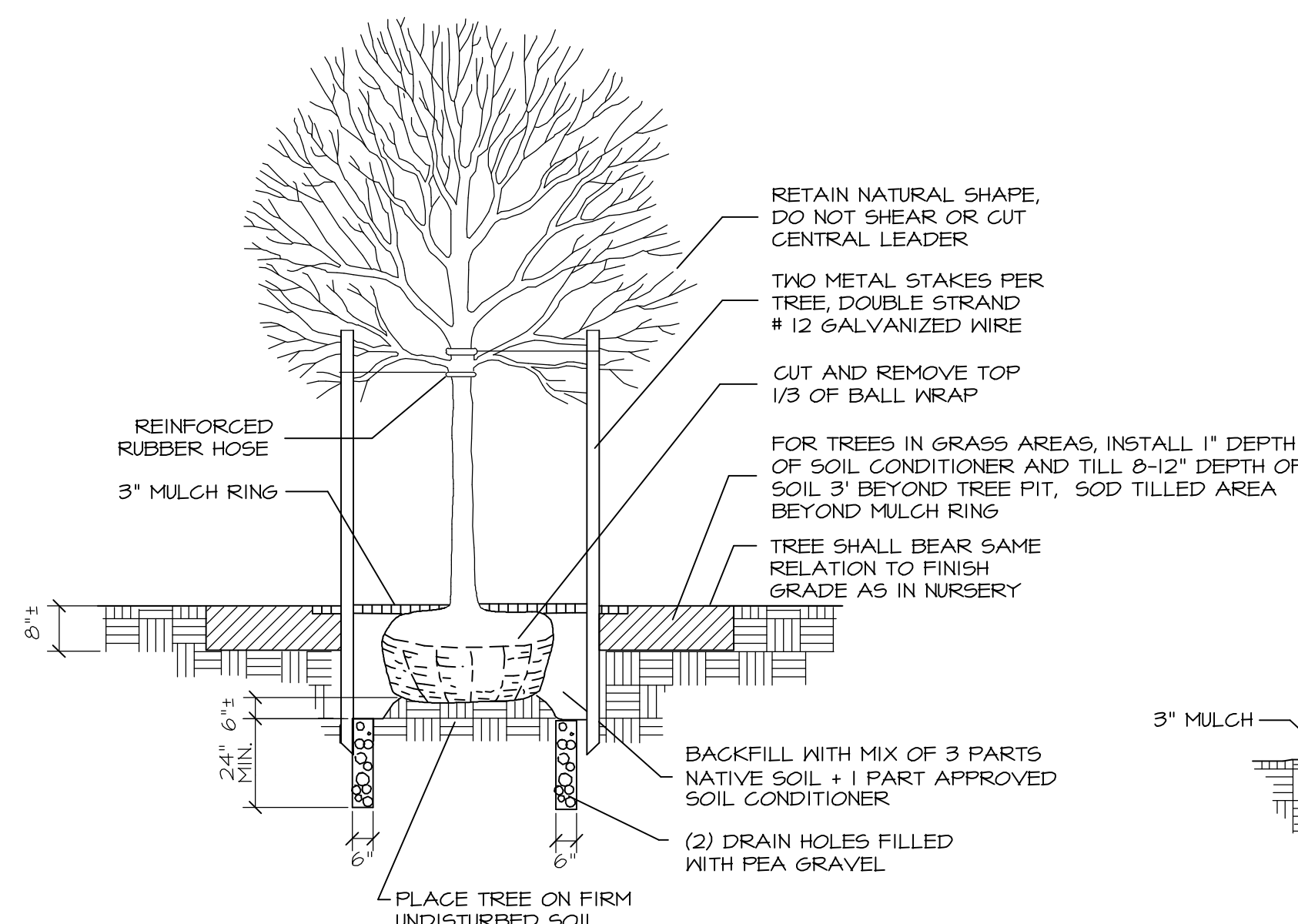
3 PLANTING PLAN
SCALE: 1" = 20'

PLANT LIST

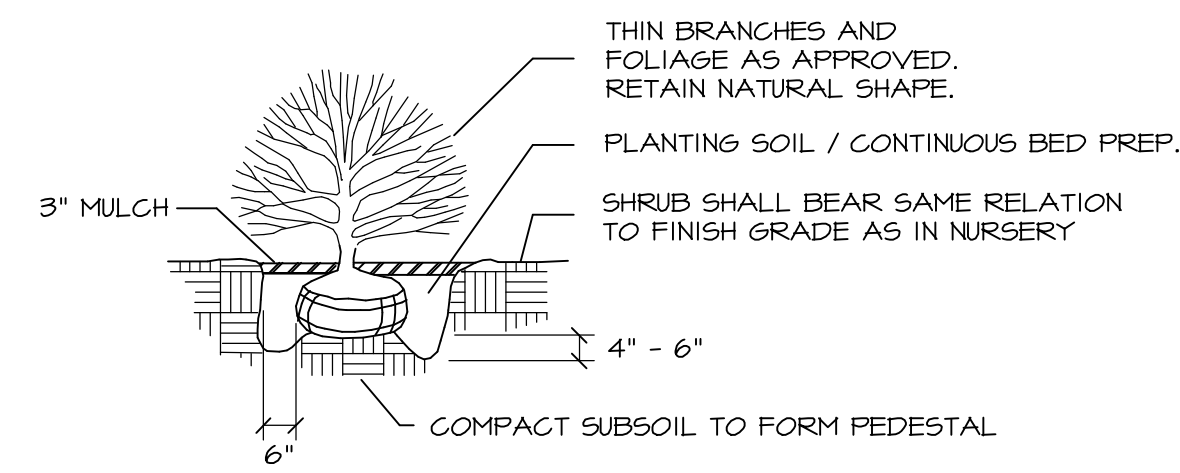
KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	ROOT	O.C.
CC	CARPINUS CAROLINIANA	CAROLINA HORNBEE	6	2 1/2" CAL	B+B	
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	15	8'-10' HT.	B+B	
JN	JUNIPERUS CHINENSIS 'NICK'S COMPACT'	NICK'S COMPACT JUNIPER	72	18"-24" SPD	3 GAL	36"

PLANTING NOTES

1. INSTALL 15 JV (EASTERN RED CEDAR) IN LOCATIONS INDICATED BY LANDSCAPE ARCHITECT ALONG SOUTH SIDE OF GREENLINE TRAIL, WEST OF FAY ROAD.
2. REFER TO SPECIFICATION SECTION 02490 FOR ADDITIONAL REQUIREMENTS.



4 TREE PLANTING DETAIL
NOT TO SCALE



5 SHRUB PLANTING DETAIL
NOT TO SCALE

PROJECT PHASE

FINAL DESIGN

DATE OF ISSUE

APRIL 2, 2015

REVISIONS

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SEAL



DRAWN BY NH/RSA CHECKED BY RS/RSA

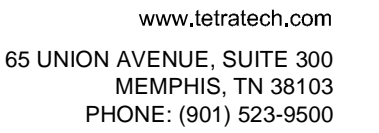
SHEET NO.

SP405

SHEET TITLE

SITE AREA DETAILS -
GERMANTOWN PARKWAY

SHELBY COUNTY GOVERNMENT
LOCALLY MANAGED PROJECT



▲

65 Union Avenue
Suite 1140
Memphis, TN 38103
Phone 901 525-1198
Fax 901 525-1190














CIVIL ENGINEERING

CIVIL ENGINEERING
2851 LAMB PLACE • SUITE 2 • MEMPHIS, TN 38118
TELEPHONE 901-794-9815 • FAX 901-794-9817

1. CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL LAYOUT OF TRAILS, APRONS, WALKS, CURBS AND OTHER FEATURES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
2. NEW CURBS AND PAVEMENT SHALL ALIGN AND MEET GRADE OF EXISTING CURBS OR PAVEMENT.

1. ALL PAVEMENT MARKING SHALL BE REFLECTIVE HOT THERMOPLASTIC OR PREFORMED PLASTICS.
2. THE CONTRACTOR SHALL INSTALL SIGNS AND MARKINGS AS SHOWN AND ACCORDING TO TDOT STANDARD SPECIFICATIONS.
3. REMOVE ALL EXISTING CONFLICTING PAVEMENT MARKINGS AND SIGNS.

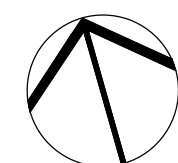
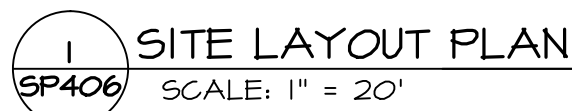
NOTE: ALL SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. SUBMIT GRAPHIC LAYOUT OF EACH SIGN FOR APPROVAL BY PROJECT ENGINEER, PRIOR TO ORDERING SIGNS.

- | | |
|---|--|
|  | PEDESTRIAN CROSSING AHEAD (WII-15 WITH W16-9P, 100' FROM EDGE OF CROSSWALK STRIPING). |
|  | PEDESTRIAN CROSSING ON INTERSECTING STREET (WII-15 WITH W16-6P). |
|  | STOP HERE FOR PEDESTRIANS (RI-56). |
|  | STOP HERE ON RED. |
|  | STOP (RI-1), WITH ADJACENT STOP BAR IN TRAIL. (12" x 48" WHITE THERMOPLASTIC STRIPING PAINT). |
|  | CROSSWALK STRIPINGS, 24" WIDE BY 20' LONG WHITE THERMOPLASTIC STRIPING PAINT. STRIPES ARE EVENLY SPACED, 24" APART. |
|  | RAISED 4" x 4" PAVEMENT MARKERS, MONO DIRECTIONAL, 1 COLOR LENS, WHITE COLOR. |
|  | SECURITY CAMERA BY OTHERS, COORDINATE LOCATION AND OBTAIN APPROVAL BY LANDSCAPE ARCHITECT AND OWNER, ENSURE THAT POLE COLOR IS EQUIVALENT TO SK T062 ROCK BOTTOM BY SHERWIN WILLIAMS. |
|  | ELECTRIC METER FOR SECURITY CAMERAS BY OTHERS, COORDINATE LOCATION AND OBTAIN APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. |
|  | INSTALL UNDERGROUND WIRELESS TRAIL COUNTER (3 LOCATIONS ON TRAIL). TRAIL COUNTER TO BE MODEL X6GM00024, ECO-COMBO MULTI PEDESTRIAN/VOLUNTEERS, 10" WIDE FOR MANHOLE WITH DIRECTION, EACH TRAIL COUNTER REQUIRES (1) MODEL 761 RAINBIRD MANHOLE MOUNTED FLUSH WITH GRADE, BY ECO-COUNTER, MONTREAL, QUEBEC, PHONE 866-518-4404 (OR APPROVED EQUAL). TRAIL COUNTER LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. |
|  | REMOVE EXISTING POST AND FOOTING. |

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PROJECT PHASE

DATE OF ISSUE
APRIL 2, 2015

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SEAL



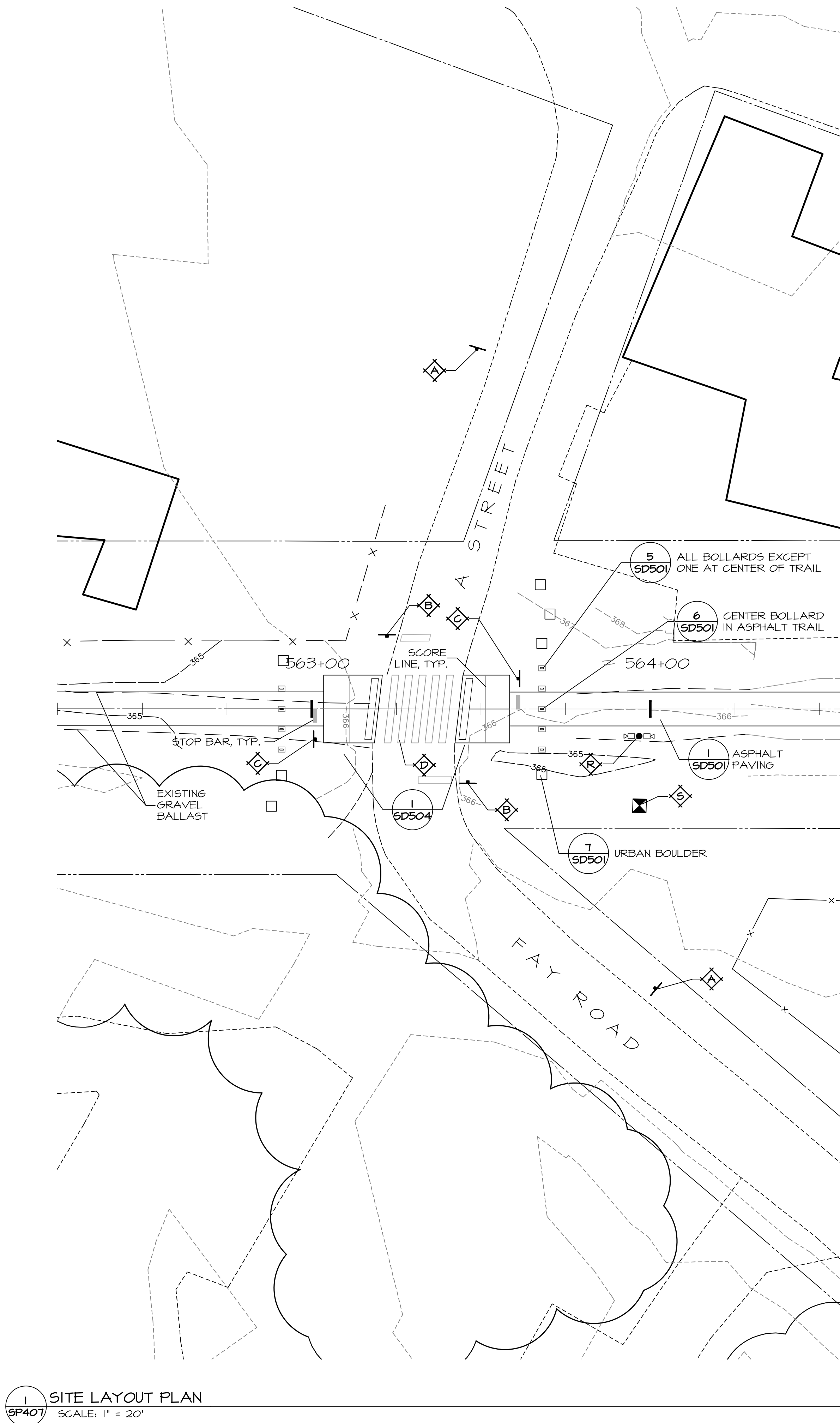
SHEET NO.

SP406

SHEET TITLE

SITE AREA PLAN - CULLY ROAD

\\msc01\proj\2\NESA Office Files_Miscellaneous_2\Projects\Tetra Tech\Shelby Farms Greenline-East\Sheet\SP407_2Site Area Plan_A Street.dwg, SP407_2Site Area Plan_A Street.dwg, 4/22/2015 4:12:21 PM, DWG to PDF PLOT



LAYOUT AND APPROVAL PROCEDURE

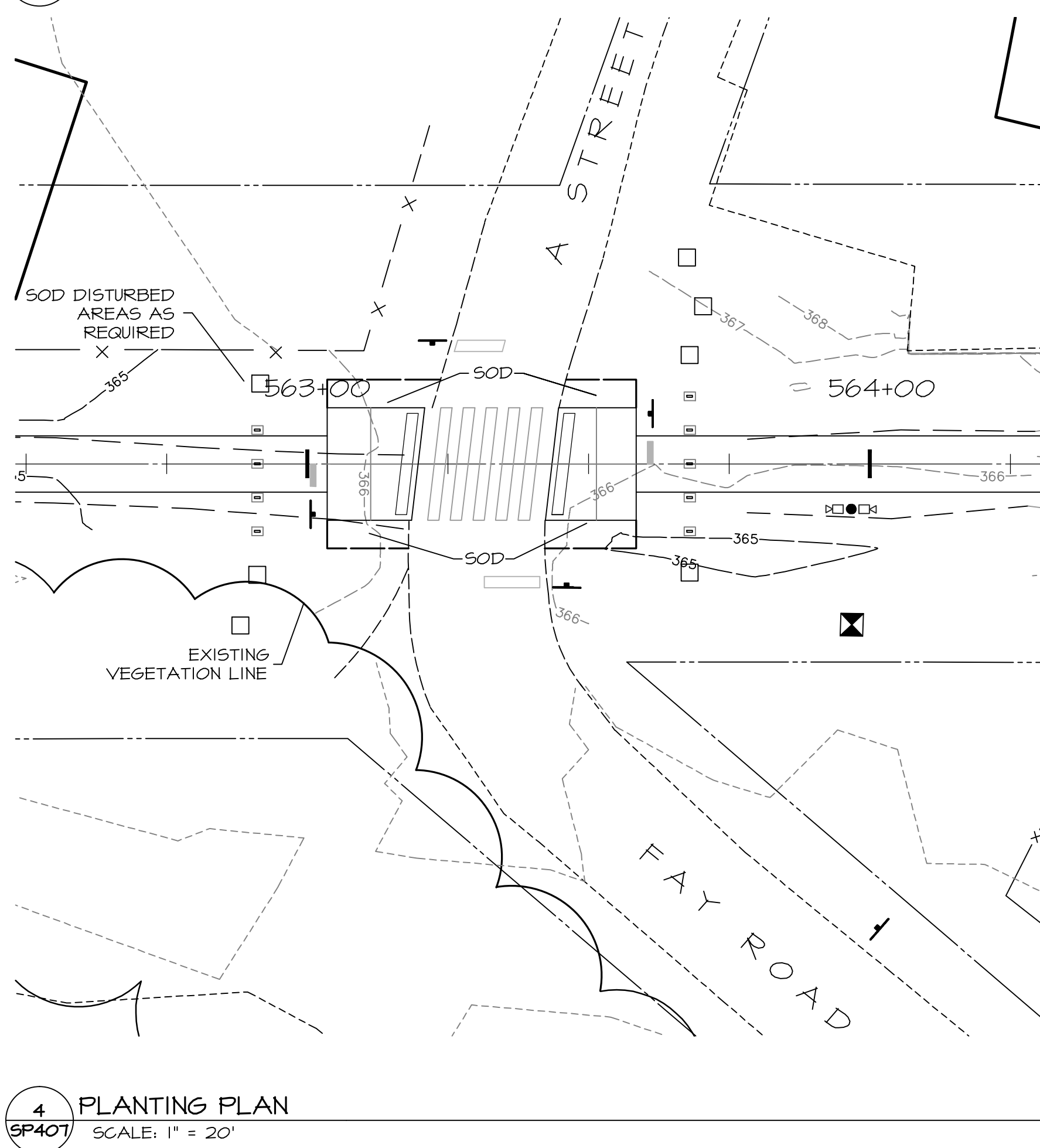
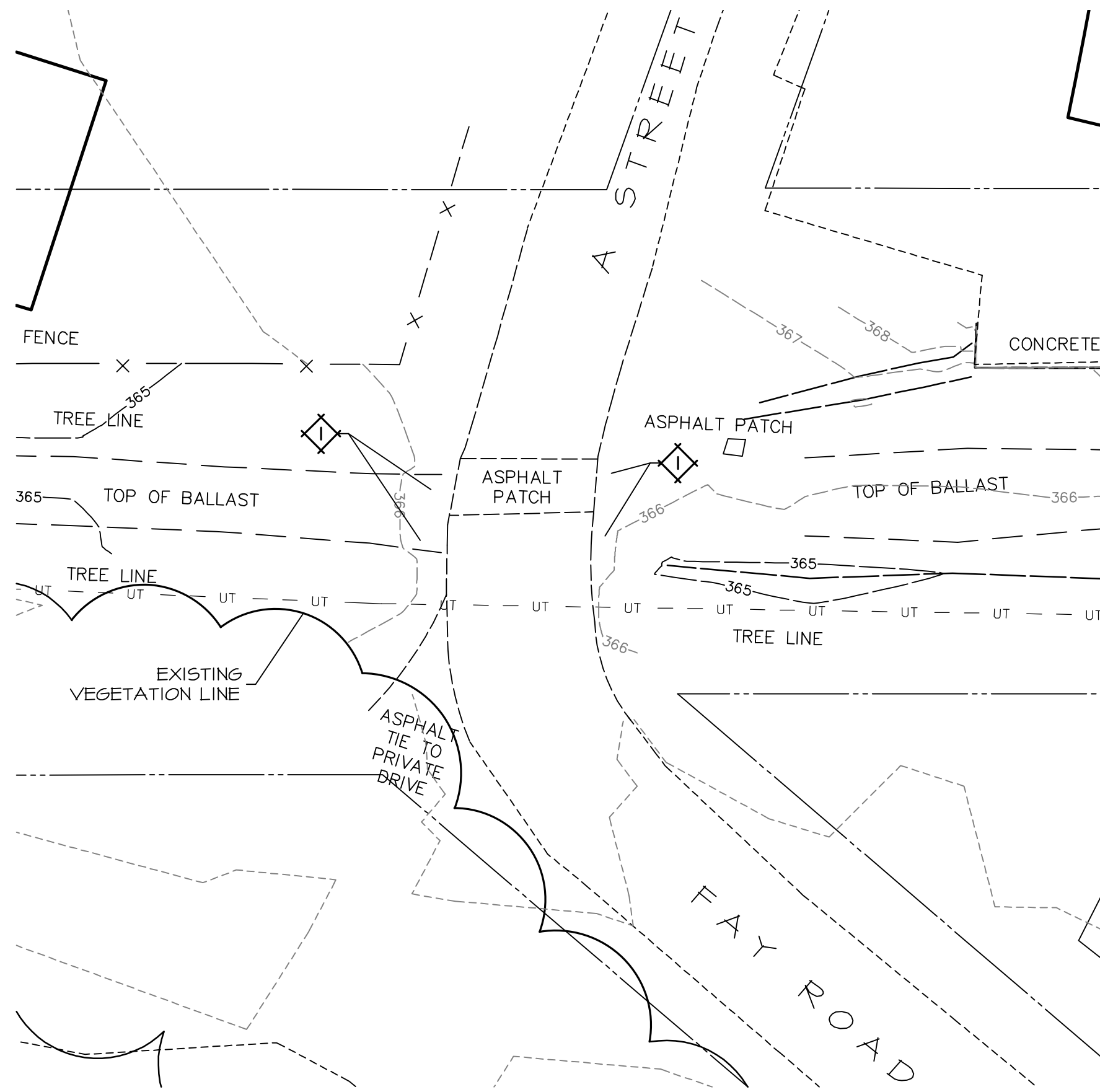
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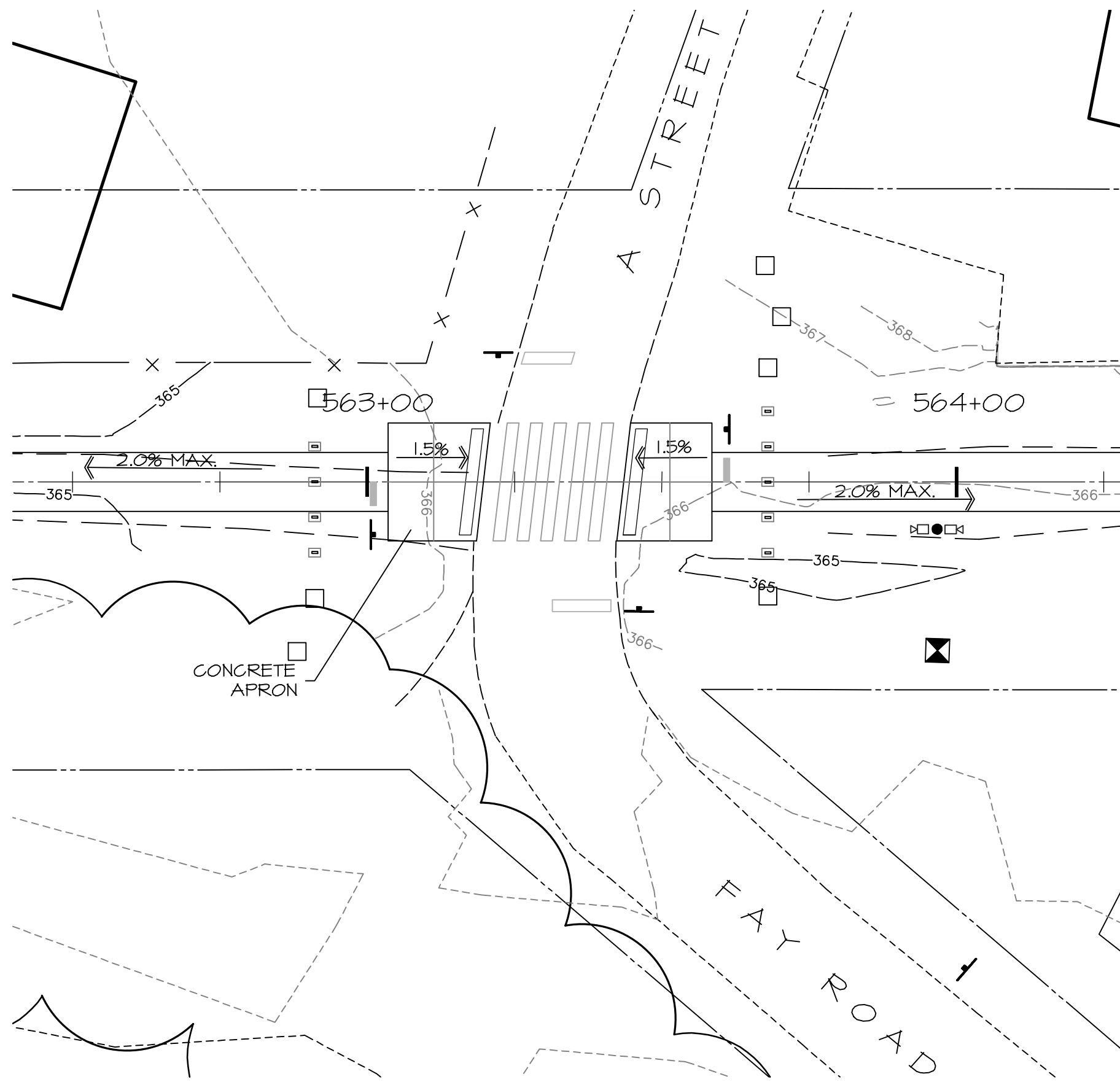
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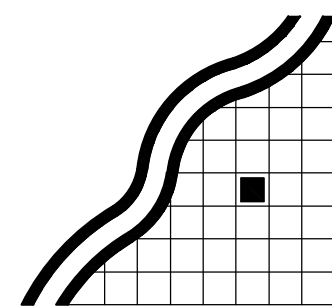


SHELBY FARMS GREENLINE - EAST EXTENSION

SHELBY COUNTY GOVERNMENT LOCALLY MANAGED PROJECT

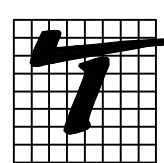


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65 UNION AVENUE, SUITE 300
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PHONE: (901) 523-8500



Ritchie Smith Associates
Planning
Landscape Architecture
Urban Design

65 Union Avenue
Suite 1140
Memphis, TN 38103
Phone 901 525-1198
Fax 901 525-1190



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2851 LAMB PLACE • SUITE 2 • MEMPHIS, TN 38118
TELEPHONE 901-794-9815 • FAX 901-794-9817

PROJECT PHASE

FINAL DESIGN

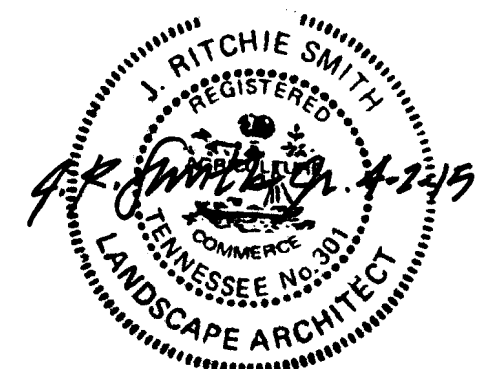
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SEAL



DRAWN BY NH/RSA CHECKED BY RS/RSA

SHEET NO.

SP407

SHEET TITLE

SITE AREA PLAN -
'A' STREET